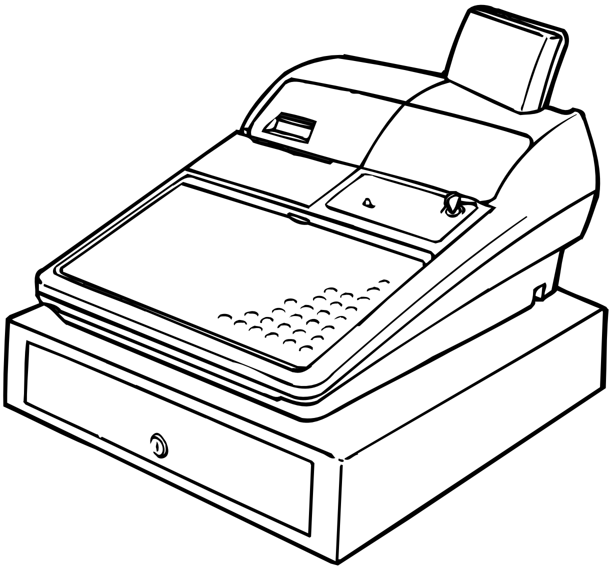
SHARP **PROGRAMMING MANUAL**

CODE: 00ZERA570VPME



ELECTRONIC CASH REGISTER

MODEL ER-A570

(For "V" version)
SRV KEY : LKGIM7113RCZZ
PRINTER : M-820

CONTENTS

SHARP CORPORATION

CHAPTER 1. SERVICE (SRV) MODE

The SRV key is used for operating in the SRV mode.

1. SRV. reset (Program Loop Reset)

Used to return the machine back to its operational state after a lock-up has occurred.

Procedure

- Method 1
  1) Turn off the AC switch.
  2) Set the mode switch to (SRV′) position.
  3) Turn on the AC switch.
  4) Turn to (SRV) position from (SRV′) position.
- Method 2
  1) Set the mode switch to PGM2 position.
  2) Turn off the AC switch.
  3) While holding down JOURNAL FEED key and RECEIPT FEED key, turn on the AC switch.

Note: When disassembling and reassembling always power up using method 1 only. Method 2 will not reset the CKDC4.

Note: SRV programming job#926-B must be set to "4" to allow PGM program loop reset.

PRG. RESET ∗ ∗ ∗

2. Master reset (All memory clear)

There are two possible methods to perform a master reset.

- MRS-1

Used to clear all memory contents and return machine back to its initial settings. return keyboard back to default. for default keyboard layout.

Procedure

1) Turn off the AC switch.
2) Set the MODE switch to the (SRV′) position.
3) Turn on the AC switch.
4) While holding down JOURNAL FEED key, turn to (SRV) position from (SRV′) position.

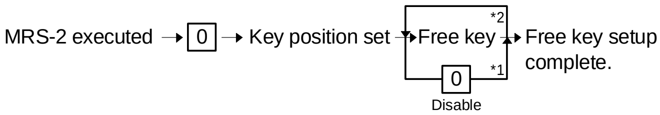
- MRS-2
  Used to clear all memory and keyboard contents.
  This reset returns all programming back to defaults. The keyboard must be entered by hand.
  This reset is used if an application needs different keyboard layout other than that supplied by a normal MRS-1.

Procedure

1) Turn off the AC switch.
2) Set the MODE switch to the (SRV′) position.
3) Turn on the AC switch.
4) While holding down JOURNAL FEED key and RECEIPT FEED key, turn to (SRV) position from (SRV′) position.
5) Key position assignment:

∗ After the execution of MRS-2, only the RECEIPT FEED and JOURNAL FEED keys can remain effective on key assignment. Any key can be assigned on any key position on the main keyboard.

[key setup procedure]



MASTER PRESET ∗ ∗ ∗

NOTES:

∗ 1: When the 0 key is pressed, the key of the key number on display is disabled.

∗ 2: Push the key on the position to be assigned. With this, the key of the key number on display is assigned to that key position.

∗ 3: When relocating the keyboard, the PGM 1/2 use standard key layout.

Key number	Key name	Key number	Key name
1	Numeric key "0"	10	Numeric key "9"
2	Numeric key "1"	11	Numeric key "00"
3	Numeric key "2"	12	Numeric key "000"
4	Numeric key "3"	13	Decimal point key
5	Numeric key "4"	14	CL key
6	Numeric key "5"	15	⊗ key
7	Numeric key "6"	16	ST key
8	Numeric key "7"	17	TL key
9	Numeric key "8"		

3. Reading of the SRV mode program

List of program reports

JOB#	Report name
900	SRV-mode program full item report (not incl. keyboard layout)
950	Keyboard layout report (on keys other than dept. keys and direct PLU keys)
951	Keyboard layout report (on dept. keys and direct PLU keys)
970	SRV file programming report

[JOB# 900]

All parameters contained for the SRV mode as listed

Key operation.

900 → [⊗] → [TL]

Printout			Description
01/ 01/ 00 0: 00			DATE (DD/MM/YY)/TIME
000000#0001			MACHINE NO./CC-NO.
#900			JOB CODE
901#	0102		CONTENTS OF THE SRV-MODE PROGRAMMING
902#	0000		
903#	4270		The contents of the programming are printed only on the journal individual formats shown at left. (No header is printed.)
904#	0000		
905#	0100		
906#	0001		
907#	0014		
908#	0000		
909#	0001		
910#	0003		
911#	0400		
912#	1141		
913#	0002		
914#	0100		
915#	1020		
916#	1000		
917#	0000		
918#	0000		
919#	4000		
920#	0000		
921#	0000		
922#	0008		
923#	0000		
924#	0000		
925#	0000		
926#	0004		
927#	0000		
928#	0104		
929#	0000		
930#	ζ1	0000	GENERAL Z1 RESET COUNTER
931#	χον ζ1	0000	ΧΟΝΣΟΛΙΔΑΤΕΔ Ζ1 ΡΕΣΕΤ ΧΟΥΝΤΕΡ
932#	ζ1	0000	CLERK Z1 RESET COUNTER
933#	ζ1	0000	HOURLY Z1 RESET COUNTER
934#	ζ1	0000	PLU Z1 RESET COUNTER
935#	ζ1	0000	CASHIER Z1 RESET COUNTER
936#	ζ1	0000	GLU/PBLU Z1 RESET COUNTER
937#	ζ2	0000	GENERAL Z2 RESET COUNTER
938#	χον ζ2	0000	ΧΟΝΣΟΛΙΔΑΤΕΔ Ζ2 ΡΕΣΕΤ ΧΟΥΝΤΕΡ
939#	ζ2	0000	DAILY NET Z2 RESET COUNTER
942#			
Γ Τ 2	∗00000000000. 00		
943#			
Γ Τ 3	∗00000000000. 00		
944#	0000		PGM2 MODE SECRET CODE
945#	0000		ASSIGNMENT OF RS232C CHANNEL
946#	0000		ASSIGNMENT OF RS232C CHANNEL
948#	000 000		TRAINING CLERK NO.
949#	τραινινγ		TRAINING MODE'S TITLE

[JOB# 950]

The Key layout report is printed in SRV mode

Key operation

950 → [⊗] → [TL]

Printout				Description
21/09/94 14:30				DATE (DD/MM/YY)/TIME
123456#0123				MACHINE NO./CC-NO.
#950				JOB CODE
001	0	KEY	019	KEY NO./KEY LABEL /LOCATION NO.
002	1	KEY	020	
003	2	KEY	030	
		:		
		:		

Key operation

951 → [⊗] → [TL]

Printout			Description
21/09/94 14:30			DATE (DD/MM/YY)/TIME
123456#0123			MACHINE NO./CC-NO.
#951			JOB CODE
001	0 0 1	079	KEY NO./KEY TEXT /LOCATION NO.
002	0 0 2	080	
003	0 0 3	081	
	:		
	:		
158	1 5 8	---	
159	1 5 9	---	
160	1 6 0	---	

Σ [JOB#970]

Files on the memory are listed.

Key operation

970 → [⊗] → [TL]

Printout	Description
01/ 01/ 00 0: 04	DATE (DD/MM/YY)/TIME
000000#0006	MACHINE NO./CC-NO.
#970	JOB CODE
∗001∗ 00020 / 00020	
∗002∗ 00020 / 00020	
∗003∗ 00020 / 00020	
∗005∗ 00020 / 00020	
∗006∗ 00020 / 00020	
∗015∗ 00240 / 00020	
∗016∗ 00240 / 00020	
∗020∗ 00240 / 00020	
∗023∗ 00240 / 00020	
∗024∗ 00240 / 00020	
∗033∗ 00030 / 00000	
∗034∗ 00010 / 00000	
∗060∗ 00099 / 00099	
∗061∗ 00099 / 00099	
∗062∗ 00099 / 00099	
∗086∗ 00006 / 00006	
∗087∗ 00006 / 00006	
∗088∗ 00006 / 00006	
∗092∗ 00076 006/ 00076	FILE TABLE NO./NO. OF RECORDS/NO. OF BLOCKS/NO. OF USED RECORDS
∗093∗ 00076 006/ 00076	
∗094∗ 00076 006/ 00076	
∗098∗ 00076 / 00076	
∗099∗ 00076 / 00076	
∗103∗ 00076 / 00076	
∗104∗ 00076 / 00076	
∗108∗ 00049 / 00049	
∗109∗ 00049 / 00049	
∗113∗ 00032 / 00000	
∗114∗ 00032 / 00000	
∗119∗ 00080 / 00080	
∗122∗ 00080 / 00080	
∗123∗ 00080 / 00080	
∗126∗ 00050–01350	FILE TABLE NO./NO. OF INDEX RECORDS-NO. OF DATA RECORDS
/ 00000	/NO. OF USED RECORDS (GLU)
∗130∗ 00075 / 00075	
∗131∗ 00021 / 00021	
∗132∗ 00304 / 00304	
1χ6600	FILE MEMORY START ADDRESS
1δφε06	EMPTY MEMORY START ADDRESS
1φφφφφ	MEMORY END ADDRESS

[JOB#990]

Reading the Contents of the SRV-Mode Programming for SSP

Key operation

990 → [⊗] → [TL]

Printout	Description
11/01/9412:34PM	DATE (DD/MM/YY)/TIME
123456#0123	MACHINE NO./CC-NO.
#990	JOB CODE
SSP ERA570 -001	SSP NO.
1 001	
02 001	
003 001	
CHECK SUM ERROR	

4. Service mode programming

The following are the key operation required for programming.

```
                                0
                         ┌──────────────────┐
XXX → [•] → [X] → [A] [B] [C] [D] → [TL]
(Job#)             Numeric entry
                   4 digits max
```

Details of [A][B][C][D] will be discussed at each item description.
★ mark is MRS setting.

[JOB #901]:MRS=0102

#901-A: Not used (Fixed at "0")

#901-B: Tax system

1. TAX system	901-B	
Auto TAX 1~6	0	
Auto VAT 1~6	1	★
Manual VAT 1~6	2	
Manual VAT 1	3	
Manual TAX 1~6	4	
Auto VAT 1~3 and Auto TAX 4~6	5	

#901-C: 1. Rounding system

1. Rounding system	901-C	
Normal	0	★
SWEDEN	1	
DENMARK	4	

#901-D: 1. TAB setting

1. TAB setting	901-D	
0.0	1	
0.00	2	★
0.000	3	

[JOB#902] MRS=0000

#902-A: 1. Choice of inline option

2. INLINE (SRN in-line)	902-A	
No	0	★
Yes	1	

#902-B: 1. Choice of kitchen printer

1. Kitchen printer (ER-03RP/04RP)	902-B	
No	0	★
Yes	1	

#902-C: 1. Coice of slip printer (ER-31SP)

1. Coice of slip printer (ER-31SP)	902-C	
No	0	★
Yes	2	

#902-D: 1. EFT terminal (For Germany)
2. Real clerk key system

1. EFT terminal	2. Clerk key	902-D	
No	4 bit key	0	★
	8 bit key	2	
Yes	4 bit key	4	
	8 bit key	6	

[JOB#903] MRS=4270

#903-A: 1. SIO loader dumper baud rate

1. Baud rate (bps)	903-A	
300	0	
1200	1	
2400	2	
4800	3	
9600	4	★
19200	5	

#903-B: 1. Symbol of scale

1. Symbol of scale	903-B	
"LB"	0	
"KG"	2	★

#903-C: 1. Scale entry system
2. Entry of tare
3. Unit of weight for the scale

1. Scale entry system	2. Entry of tare	3. Unit of weight for the scale	903-C	
Manual	Disallowed	2id (3id) + 2dd	0	
		1id (2id) + 3dd	1	
	Allowed	2id (3id) + 2dd	2	
		1id (2id) + 3dd	3	
Automatic	Disallowed	2id (3id) + 2dd	4	
		1id (2id) + 3dd	5	
	Allowed	2id (3id) + 2dd	6	
		1id (2id) + 3dd	7	★

#903-D: Not used (Fixed at "0")

[JOB#904] MRS=0000

#904-A: 1. Printing of date

1. Printing of date	904-A	
Yes	0	★
No	4	

#904-B: 1. Printing of consecutive No.

1. Printing of consecutive No.	904-B	
Yes	0	★
No	4	

#904-C, D: Not used (Fixed at "00")

[JOB#905] MRS=0100

#905-A: Not used (Fixed at "0")

#905-B: 1. Tax printing when taxable subtotal is zero.
2. Tax printing when tax is zero.

1. Taxable subtotal is zero	2. Tax is zero	905-B	
Skip	Print	0	
	Skip	1	★
Print	Print	4	
	Skip	5	

#905-C: 1. Printing of rounding amount in receipt. (For Australia)
2. Printing format for split pricing entry.

1. Printing of rounding amount in receipt	2. Printing format for split pricing entry	905-C	
No	Normal format	0	★
	Australia format	2	
Yes	Normal format	4	
	Australia format	6	

#905-D : Not used (Fixed at "0")

[JOB#906] MRS=0001

#906-A: 1. Print Dept. and PLU number on receipt.

1. Print Dept. and PLU number	906-A	
N0	0	★
Yes	4	

#906-B: 1. Bottle return function
2. Hash department setting
3. Non-turnover

1. Scale return function	2. Hash department setting	3. Non-turnover	906-B	
Disable	Disable	Disable	0	★
		Enable	1	
	Enable	Disable	2	
		Enable	3	
Enable	Disable	Disable	4	
		Enable	5	
	Enable	Disable	6	
		Enable	7	

#906-C: 1. Split pricing counting
2. Multiplication entry

1. Split pricing counting	2. Multiplication entry	906-C	
Quantity	Multiplication	0	★
	Successive multiplication	1	
	Split pricing	2	
Package	Multiplication	3	
	Successive multiplication	4	
	Split pricing	5	

#906-D: 1. Presetting of consecutive No.
2. Fractional quantity

1. Consecutive No.	2. Fractional quantity	906-D	
Yes	No	0	
	Yes (3-digit decimal place)	1	★
No	No	2	
	Yes (3-digit decimal place)	3	

[JOB#907] MRS=0014

#907-A: 1. Entry of SCM (+)/(–) after registration in REG/MGR mode
2. Starting cash memory input compulsory

1. Entry of SCM (+)/(–) after registration in REG/MGR mode	2. Starting cash memory input compulsory	907-'A	
Disable	Noncompulsory	0	★
	Compulsory for an individual clerk	1	
	Compulsory for all clerks	2	
Enable	Noncompulsory	4	
	Compulsory for an individual clerk	5	
	Compulsory for all clerks	6	

#907-B: Not used (Fixed at "0")
#907-C: 1. In case of all clerk CCD and individual clerk CCD, X1 report before CCD entry
2. Locking of REG mode entry after individual clerk resetting
3. Minus department and PLU

1. In case of all clerk CCD and individual clerk CCD, X1 report before CCD entry	2. Locking of REG mode entry after individual clerk resetting	3. Minus department and PLU	907-C	
Disable	No	Disable	0	
		Enable	1	★
	Yes	Disable	2	
		Enable	3	
Enable	No	Disable	4	
		Enable	5	
	Yes	Disable	6	
		Enable	7	

#907-D: 1. Z-counter print for PLU, hourly, Clerk, Daily net, GLU
2. CCD compulsory

1. Z-counter print	2. CCD compulsory	907-D	
Yes	Non compulsory	0	
	For individual clerk	1	
	For all clerk	2	
No	Non compulsory	4	★
	For individual clerk	5	
	For all clerk	6	

[JOB#908] MRS=0000

#908-A: GT print on Z report

GT1 (NET)	GT2 (+)	GT3 (–)	908-A	
Print	Print	Print	0	★
		Skip	1	
	Skip	Print	2	
		Skip	3	
Skip	Print	Print	4	
		Skip	5	
	Skip	Print	6	
		Skip	7	

#908-B: GT print on X report

GT1 (NET)	GT2 (+)	GT3 (–)	908-B	
Skip	Skip	Skip	0	★
		Print	1	
	Print	Skip	2	
		Print	3	
Print	Skip	Skip	4	
		Print	5	
	Print	Skip	6	
		Print	7	

#908-C: 1. Add void-mode transaction data to hourly total report
2. X1/Z1 report in X2/Z2 mode
3. Resetting of consecutive number in Z1 resetting

1. Add void-mode transaction to hourly total report	2. X1/Z1 report in X2/Z2 mode	3. Resetting of consecutive No.in Z1 resetting	908-C	
No	Enable	No	0	★
		Yes	1	
	Disable	No	2	
		Yes	3	
Yes	Enable	No	4	
		Yes	5	
	Disable	No	6	
		Yes	7	

#908-D:
1. Printing X/Z report Journal only/Receipt & Journal (Except the individual cashier report)
2. Z1 resetting, resets GT Enable/Disable

1. Printing X/Z report	2. GT resetting at Z1	908-D	
Receipt & Journal	Disable	0	★
	Enable	1	
Journal	Disable	4	
	Enable	5	

[JOB#909] MRS=0001

#909-A: 1. Printing of balance GT on the Z report
2. Printing of training GT on the X report
3. Printing of training GT on the Z report

1. Printing of balance GT on the Z report	2. Printing of training GT on the X report	3. Printing of training GT on the Z report	909-A	
Print	Skip	Print	0	★
		Skip	1	
	Print	Print	2	
		Skip	3	
Skip	Skip	Print	4	
		Skip	5	
	Print	Print	6	
		Skip	7	

#909-B: 1. Printing of data on PLU resetting report
2. All Z1 resetting in X1/Z1 mode

1. Printing of data on PLU resetting report	2. All Z1 resetting in X1/Z1 mode	909-B	
Yes	Enable	0	★
	Disable	2	
No	Enable	4	
	Disable	6	

#909-C: 1. Printing of data in void-mode totalizer and manager void totalizer on Z2 report
2. Printing of data in void-mode totalizer and manager void totalizer on Z1 report

1. Void-mode totalizer on Z2 printing	2. Void-mode totalizer on Z1 printing	909-C	
Print	Print	0	★
	Skip	2	
Skip	Print	4	
	Skip	6	

#909-D: 1. Pressed clerk key change during entry operation
2. Entry of clerk# compulsory (Clerk system: Push key or code entry system)
3. When real clerk key is taken out

1. Pressed clerk key change during entry operation	2. Entry of clerk# compulsory	3. When real clerk key is taken out	909-D
Disable	Redesignation	Transaction in progress	0
		Transaction finalized	1
	Every transaction	Transaction in progress	2
		Transaction finalized	3
Enable	Redesignation	Transaction in progress	4
		Transaction finalized	5
	Every transaction	Transaction in progress	6
		Transaction finalized	7

[JOB#910] MRS=0003

#910-A: 1. Clerk name print on receipt under (When #909-D-1 is "Enable")
2. Over laped clerk function

1. Clerk name print on receipt under	2. Over laped clerk function	910-A	
No	Yes	0	★
	No	1	
Yes	Yes	4	
	No	5	

#910-B,C: Not used (Fixed at "00")

#910-D: 1. Clerk system

1. Clerk system	910-D	
1 hole	1	
Push key	3	★
Clerk code entry	4	

[JOB#911] MRS=0400

#911-A: 1. Fraction treatment

1. Fraction treatment	911-A	
Round off	0	★
Round up	1	
Round down	2	

#911-B: Not used (Fixed at "0")

#911-C: Not used (Fixed at "0")

#911-D: 1. Receipt format

1. Receipt headerformat	911-D	
Format 1	0	★
Format 2	2	
Format 3	4	

1 Format 1

• Normal

```
01/ 03/ 95  12: 34πμ  01–1
            123456#1234        0001
            ϑ A X K / B E T T Ψ
```

• GLU

```
01/ 03/ 95  12: 34πμ  01–1
            123456#1234        0001
            ϑ A X K / B E T T Ψ
                 Γ Λ Y ↑ ϒ ϒ ϒ ′
```

2 Format 2

• Normal

```
01/ 03/ 95  12: 34πμ  01–1
            123456#′  ≤ /  ∞   0001
            ϑ A X K / B E T T Ψ
```

• GLU

```
01/ 03/ 95  12: 34πμ  01–1
            123456#′  ≤ /  ∞   0001
            ϑ A X K / B E T T Ψ
                 Γ Λ Y ↑ ϒ ϒ ϒ ′
```

3 Format 3

• Normal

```
01/ 03/ 95  12: 34πμ  01–1
            123456#′  ≤ /  ∞   0001
```

• GLU

```
01/ 03/ 95  12: 34πμ  01–1
            123456#′  ≤ /  ∞   0001
                 Γ Λ Y ↑ ϒ ϒ ϒ ′
```

[JOB#912] MRS=1141

#912-A: 1. Date print format

Date format	912-A	
Month/Day/Year	0	
Day/Month/Year	1	★
Year/Month/Day	2	

#912-B: 1. Time system

1. Time system	912-B	
12H	0	
24H	1	★

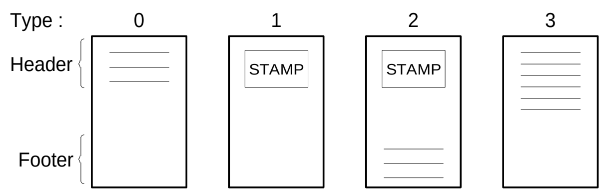
#912-C: 1. After transaction receipt format
2. Copy receipt
3. Footer print control

1. After transaction receipt	2. Copy receipt	3. Footer print control	912-C	
Total only	No	All receipt	0	
		On selected function keys at the time of finalization	1	
	Yes	All receipt	2	
		On selected function keys at the time of finalization	3	
Detail	No	All receipt	4	★
		On selected function keys at the time of finalization	5	
	Yes	All receipt	6	
		On selected function keys at the time of finalization	7	

#912-D: 1. Logo message control

1. Logo/stamp message control	912-D	
3-line header instead of stamp	0	
Stamp only	1	★
Stamp and 3-line footer	2	
6-line header insted of stamp	3	

(Logo/stamp message format)



[JOB#913] MRS = 0002

#913-A: 1. Pinting of VAT3, 4, 5, 6 on receipt
2. VP format on Receipt/Journal
3. Content of TOTAL VP amount

1. VAT3, 4, 5, 6	2. VP format	3. VP amount	913-A	
Print	Date & amount	Total amount	0	★
		Tendered amount	1	
	Machine# & amount	Total amount	2	
		Tendered amount	3	
Skip	Date & amount	Total amount	4	
		Tendered amount	5	
	Machine# & amount	Total amount	6	
		Tendered amount	7	

#913-B: 1. Printing of [ST]
2. Escape the compulsion of VP or slip

NOTE: Must turn to MGR mode and depress

- [•] , [PRINT] keys to escape validation
- [SLIP] key to escape slip

1. SBTL Print	3. Escape the compulsion of VP or slip	913-B	
No	Disable	0	★
	Enable	1	
Yes	Disable	4	
	Enable	5	

#913-C: 1. Buzzer off 2sec. after lock error.
2. Buffered keyboard

1. Error beep	2. Buffered keyboard	913-C	
2-sec. off	Yes	0	★
	No	1	
Constant	Yes	2	
	No	3	

#913-D: 1. Drawer closing compulsory
2. Error mode
3. Key catch sound

1. Drawer closing compulsory	2. Error mode	3. Key catch sound	913-D	
Non-compulsory	All lock error	Enable	0	
		Disable	1	
	Miss operation (One shot error)	Enable	2	★
		Disable	3	
Compulsory	All lock error	Enable	4	
		Disable	5	
	Miss operation (One shot error)	Enable	6	
		Disable	7	

[JOB#914] MRS = 0100

#914-A: 1. Receipt issuing at no-sale
2. [NS] key separation from [TL] key for no sale function

1. Receipt issuing at no-sale	2. [NS] key separation	914-A	
Enable	Yes	0	★
	No	2	
Disable	Yes	4	
	No	6	

#914-B: 1. No-sale after NON ADD code entry

1. No-sale after # entry	914-B	
Disable	0	
Enable	1	★

#914-C 1. Void mode

1. Void mode	914-C	
Enable	0	★
Disable	2	

#914-D: 1. Check cashing/Cash of transfer

1. CHECK CASHING	914-D	
Transfer of cash	0	
Check cashing	2	★

[JOB#915] MRS = 1020

#915-A: 1. Amount symbol

1. Amount symbol	915-A	
" $ "	0	
" * "	1	★
" "	2	

#915-B: 1. PO system

1. PO system	915-B	
Mixed entry	0	★
Cash only entry	1	

#915-C: 1. ST%, ST(–) as many times needed/operation only once
2. RA system

1. ST%, ST (–) operation	2. RA system	915-C	
Unlimited	Mixed entry	0	
	Cash only entry	1	
Once only	Mixed entry	2	★
	Cash only entry	3	

#915-D: Not used (Fixed at "0")

[JOB#916] MRS = 1000

#916-A: 1. Print format when text and amount overlaps each other REG mode

1. Print format	916-A	
Truncate text	0	
2 line print	1	★

#916-B: 1. Finalization by charge (credit) when ST τ 0
2. Tendering which is smaller than the sales amount

1. Finalization by charge when ST τ 0	2. Tendering which is smaller than the sales amount	916-B	
Disable	Enable	0	★
	Disable	2	
Enable	Enable	4	
	Disable	6	

#916-C: 1. Negative merchandise subtotal
2. Subtotal entry compulsory before tendering
3. Subtotal entry before direct non-tendering finalization

1. Negative merchandise subtotal	2. Subtotal entry compulsory before tendering	3 .Subtotal entry before direct non-tendering finalization	916-C	
Allow	Noncompulsory	Non-compulsory	0	★
		Compulsory	1	
	Compulsory	Non-compulsory	2	
		Compulsory	3	
Disallow	Non-compulsory	Non-compulsory	4	
		Compulsory	5	
	Compulsory	Non-compulsory	6	
		Compulsory	7	

#916-D: 1. Coupon PLU printing on X/Z report
2. Net sales subtotal (NET1) printing on X/Z report
3. CHECK change total printing on X/Z report

1. Print coupon PLU's on general report	2. Print net sales SBTL (NET1) on general report	3. Print CHK CHANGE on general report	916-D	
Print	Print	Print	0	★
		Skip	1	
	Skip	Print	2	
		Skip	3	
Skip	Print	Print	4	
		Skip	5	
	Skip	Print	6	
		Skip	7	

[JOB#917] NOT USED: MRS = 0000

[JOB#918] MRS = 0000

#918-A: 1. Printing of text of a tied PLU in set PLU
2. Direct non-tendering finalization after previous tender entry
3. Output of set PLU to KP

1. Printing of text of a tied PLU in promo PLU	2. Dirrect non-tendering finalization after previous tender entry	3. Output of set PLU to KP	917-D	
Yes	Disable	By PLU	0	★
		Set PLU's KP	1	
	Enable	By PLU	2	
		Set PLU's KP	3	
No	Disable	By PLU	4	
		Set PLU's KP	5	
	Enable	By PLU	6	
		Set PLU's KP	7	

#918-B: 1. Red color printing on KP when PLU's unit price is zero

1. Red color printing on KP when PLU's unit price is zero	918-B	
No	0	★
Yes	2	

#918-C: 1. Printing Z1/Z2 counter in Z reports
2. Printing the DEPT/PLU text on KP in double-size character

1. Printing Z1/Z2 counter in Z reports	2. Printing the DEPT/PLU text on KP in double size character	918-C	
Print	Skip	0	★
	Print	1	
Skip	Skip	4	
	Print	5	

#918-D: 1. Tip paid includes cash tip
2. Clering of tip totalizer at clerk Z1 report
3. Printing of tip totalizer on the clerk report

1. Tip paid includes cash tip	2. Clering of tip totalizer at clerk Z1 report	3. Printing of tip totalizer on the clerk report	918 -D	
Yes	No	No	0	★
		Yes	1	
	Yes	No	2	
		Yes	3	
No	No	No	4	
		Yes	5	
	Yes	No	6	
		Yes	7	

[JOB#919] MRS = 4000

#919-A: 1. Guest look-up system/PB look-up system

1. Guest look-up system/PB look-up system	919-A	
PB look-up system (PBLU)	2	
Guest look-up system (GLU)	4	★

#919-B: 1. Checking of clerk# on guest check when a reorder is made
2. Entry of the number of guests
3. Guest check No.

1. Checking of clerk# on guest check when a reorder is made	2. Entry of the number of guests	3. Guest check No.	919-B	
Yes	Inhibit	Auto genaration	0	★
		Manual	1	
	Compulsory	Auto genaration	2	
		Manual	3	
No	Inhibit	Auto genaration	4	
		Manual	5	
	Compulsory	Auto genaration	6	
		Manual	7	

#919-C: 1. PB entry
2. Amount printing when PLU unit price is 0

1. PB entry	2. Amount printing when PLU unit price is 0	919-C	
Nocompulsory	No	0	★
	Yes	1	
Compulsory	No	2	
	Yes	3	

919-D: 1. Conversion SBTL printing of native SBTL

1. Conversion SBTL print	919-D	
Yes	0	★
No	4	

[JOB#920] MSR = 0000: INLINE PROGRAMMING AREA

#920-A: 1. Back-up master function

1. Back-up master function	920-A	
Not	0	★
Exit	1	

#920-B:
1. System report and down-load job is executed in the back-up master
2. The GLU finalization is executed in the satellite
3. The clerk system

1. System report and down-load job is executed in the back-up master	2. The GLU finalization is executed in the satellite	3. The clerk system	920-B	
Disable	Enable	Centraized	0	★
		Individual	1	
	Disable	Centraized	2	
		Individual	3	
Enable	Enable	Centraized	4	
		Individual	5	
	Disable	Centraized	6	
		Individual	7	

#920-C:
1. Broad cast communication
2. PGM mode can enable/disable the satellite unit in the in-line mode.

1. Broad cast communication	2. Programming by the Satellite unit	920-C	
Exist	Disable	0	★
	Enable	1	
Nothing	Disable	4	
	Disable	5	

#920-D: 1. Machine assignment set up.

1. Assignment	920-D	
Standalone	0	★
Sattellite	1	
Master	2	
Backup master	3	

[JOB#921] NOT USED : MRS = 0000

[JOB#922] MRS = 0008: INLINE PROGRAMMING AREA

#922-A, B: Not used (Fixed at "00")
#922-C, D: 1. Transmission speed and Carrier-off waiting time

Transmission speed	Carrier-off waiting time (mSec)	922-CD	
480K BPS	3.2	01	
	6.4	02	
	9.6	04	
	12.8	00	
1M BPS	1.6	09	
	3.2	10	
	4.8	12	
	6.4	08	★

[JOB#923] NOT USED : MRS = 0000

[JOB#924] MRS = 1400 : INLINE PROGRAMMING AREA

#924-A: 1. PLU save file

1. PLU save file	924-A	
No	0	★
Yes	1	

#924-B:
1. Save file exept for PLU
   - Programming whether or not to lock REG-mode entries after individual daily total resetting
2. Locking after clerk resetting
3. Locking after term clerk resetting

1. Save file exept for PLU	2. Locking after clerk resetting	3. Locking after term clerk resetting	924-B	
No	Yes	Yes	0	
		No	1	
	No	Yes	2	
		No	3	
Yes	Yes	Yes	4	★
		No	5	
	No	Yes	6	
		No	7	

#924-C: Programming whether or not to lock REG-mode entries after individual daily total resetting when the system has no save file.
1. Locking after hourly resetting No/Yes.
2. Locking after full-item resetting No/Yes.

2. Locking after houly resetting	3. Locking after full-item resetting	924-C	
Yes	Yes	0	★
	No	1	
No	Yes	2	
	No	3	

#924-D: Programming whether or not to lock REG-mode entries after individual periodic total resetting when the system has no save file.
1. Locking after daily net resetting No/Yes.
2. Locking after full-item resetting No/Yes.

2. Locking after daily net resetting	3. Locking after full-item reseting	924-D	
Yes	Yes	0	★
	No	1	
No	Yes	2	
	No	3	

[JOB#925] MRS = 0000 : INLINE PROGRAMMING AREA

#925-A:
1. Entire system general Z (#105) by master.
   There are two modes; to reset only those already individually reset or to reset the current sales and those already individually reset.
   (Note) For the system without IRM (individual resetting memory), "method 1" in the right table must be selected.
2. YES/NO to automatically clear ECR lock at system general Z-1 (#105) when NO is selected, use #199 toclear lock.
3. Execution of Job#199 when consolidation daily general resetting has not been taken Enable/Disable.

1. Consolidation report	2. Clear IRM files at #105	3. JOB#199 when JOB#105 is not executed	925-A	
Method-1	To clear	Disable	0	★
		Enable	1	
	Not to clear	Disable	2	
		Enable	3	
Method-2	To clear	Disable	4	
		Enable	5	
	Not to clear	Disable	6	
		Enable	7	

Method-1: Resets the current sales along with those already individually reset.
Method-2: Resets only those already individually reset.

#925-B:
1. Selects disable or enable of registration until #199 is executed. after doing general Z1 (#105).
2. ENABLE/DISABLE individual resetting at each terminal.

1. Registration after general Z1	2. Individual reset	925-C	
Disable	Disable	0	★
	Enable	1	
Enable	Enable	2	
	Disable	3	

#925-C:
1. Report format for the entire system or plural number of machines numbers are set for general report. (X1, Z1, X2, Z2)

1. Consolidation report format	925-C	
Report plus consolidation report for each machine	0	★
Consolidation report only	1	
Report for each machine only	2	

#925-D: 1. PLU stock control system
2. Resetting in the open store state

1. PLU stock control system	2. Resetting in the open store state	925-D	
Centralized	Disable	0	★
	Enable	1	
Individual	Disable	4	
	Enable	5	

[JOB#926] MRS = 0004

#926-A: 1. Sending "Last void data" on KP
2. Sending "Past void data" on KP

1. Sending "Last void data" on KP	2. Sending "Past void data" on KP	926-A	
Yes	Yes	0	★
	No	1	
No	Yes	2	
	No	3	

#926-B: 1. Program reset at PGM 2 mode
2. Sending "Refund data" on KP

1. Program reset at PGM2 mode	2. Sending "Refund data" on KP	926-B	
Disable	Yes	0	★
	No	2	
Enable	Yes	4	
	No	6	

#926-C: Not used (Fixed at "0")

#926-D: 1. Dept./PLU text printing
2. Check VP format

1. Dept./PLU text printing	2. Check VP format	926-D	
Normal	Normal	0	
	Euro check	1	
	French check	2	
	German check	3	
Double	Normal	4	★
	Euro check	5	
	French check	6	
	German check	7	

[JOB#927] MRS = 0000

#927-A: 1. Rounding up of the units digit of amount

#927-B: 1. Rounding down of the units digit of amount

1. Rounding the units digit of amount	927-AB	
Common destination	00	★
Netherland/Switerlend	82	
Norway	54	
Australia	04	

#927-C: 1. Difference memory (Difference between before-rounding and after-rounding)
2. Limit on the least significant digit in entering the amount on item

1. Difference memory	2. Limit on the least significant digit in entering the amount on item	927-C	
No	Arbitary	0	★
	0 only	1	
	0 and 5 only	2	
Yes	Arbitary	4	
	0 only	5	
	0 and 5 only	6	

#927-D: 1. Application of rounding
2. Limit on the least significant digit in entering the amount of payment

1. Application of rounding	2. Limit on the least significant digit in entering the amount of payment	927-D	
Item & Payment	Arbitary	0	★
	0 only	1	
	0 and 5 only	2	
Payment	Arbitary	4	
	0 only	5	
	0 and 5 only	6	

[JOB#928] MRS = 0104

#928-A: 1. Printing of slip logo text

1. Printing of slip logo text	928-A	
Skip	0	★
Print	1	

#928-B: 1. VP message printing on slip
2. Header line on slip paper when a reorder is made printed

1. VP message printing on slip	1. Header line on slip paper when a reorder is made printed	928-B	
Check only	Printed	0	
	Not	1	★
Check, Credit and Charge	Printed	2	
	Not	3	

#928-C: 1. Printing of PLU on bill when it is 0
2. Printing of text of a tied PLU in set PLU on bill

1. Printing of PLU on bill when it is 0	2. Printing if text of a tied PLU in set PLU on bill	928-C	
Print	Print	0	
	Skip	2	
Skip	Print	4	★
	Skip	6	

* When SRV#928-C is set to 4, in this case the PLU printing on the slip is depend on the 919-C preset

#928-D: 1. Printing of PB/NBAL on slip
2. Compulsory bill print system
(The Slip printing at NBAL in GLU system isn't compulsory always.)

1. Printing of PB/NBAL on slip	2. Compulsory bill print system	928-D	
Print	Accoring to each media's preset	0	
	Compulsory for evry entry	1	
Skip	Accoring to each media's preset	4	★
	Compulsory for evry entry	5	

[JOB#929] MRS = 0000

#929-A: 1. The solid line printing under item printing

1. The solid line printing under item printing	929-A	
No	0	★
Yes	4	

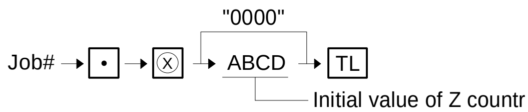
#929-B: 1. Clerk-Z with open GLU

1. Clerk-Z with open GLU	929-B	
Disable	0	★
Enable	1	

#929-C, D: Not used (Fixed at "00")

[JOB#930~934, 936~939] MRS = 0000

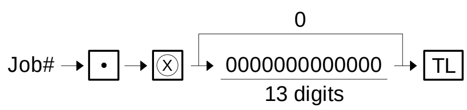
RESET REPORT COUNTER



JOB #	Function
930	Z1 report counter (General report)
931	Consolidated Z1 report counter
932	Clerk Z1 report counter
933	Hourly Z1 report counter
934	PLU Z1 report counter
936	GLU/PBLU Z1 report counter
937	Z2 general report counter
938	Consolidated Z2 report counter
939	31 day daily net Z2 report counter

[JOB#942, 943] MRS = 0000000000000

GT COUNTER PRESETTING

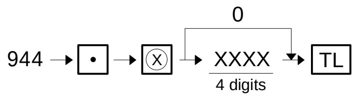


JOB #	Function
942	GT2 (Positive GT)
943	GT3 (Negative GT)

Note: GT1 is obtained by calculation
Equation: GT1=GT2-GT3

[JOB#944] MRS = 0000

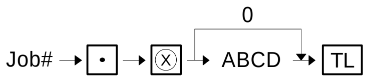
PGM2 secret code presetting



NOTE: When the secret code "0" is programmed, the secret code entry is be inhibited.

[JOB#945] MRS = 0000

The assignment of RS232 channel by each devices



#945-A: 1. Channel No. for online

1. Channel No. for online	945-A
Channel No.	0 to 7

#945-B: Not used (Fixed at "0")

#945-C: 1. Channel No. for scale

1. Channel No. for scale	945-C
Channel No.	0 to 7

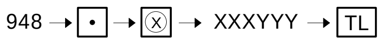
#945-D: Not used (Fixed at "0")

* 0 = No connect
1 to 7 = Channel number

[JOB#946] NOT USED: MRS = 0000

[JOB#948] MRS = 000000

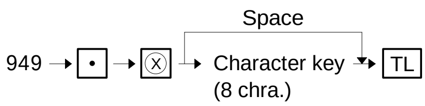
PROGRAMMING OF TRAINING CLERK NO.



XXX: Clerk 1
YYY: Clerk 2

[JOB#949] MRS = "TRAINING"

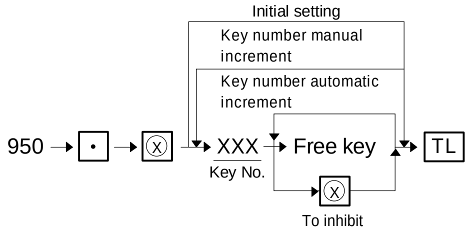
THE TRAINING MODE'S TITLE



Characters can be entered by using alphabetic keys or numeric keys. Please refer to section 3.

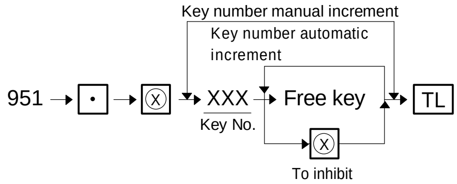
[JOB#950] MRS = STANDARD KEY LAYOUT

Free key layout (Except for department keys and direct PLU keys.)



[JOB#951] MRS = STANDARD KEY LAYOUT

Free key layout (department keys and direct PLU keys)



- Programming of the keys to be dept keys or direct PLU keys on the keyboard.
- Key No. is assigned to each key which is supposed to be dept. Key or direct PLU key by depressing the key after entering the key No.
- Those keys programmed by this job No. will be dept. keys if dept. code is assigned, and will be direct PLU keys if PLU code is assigned in the PGM2 mode.

FUNCTION KEY LIST (In the ER-A570, the shaded section ( ) is not used.)

Key No.	KEY	KEY TEXT
1	0 KEY	0 KEY
2	1 KEY	1 KEY
3	2 KEY	2 KEY
4	3 KEY	3 KEY
5	4 KEY	4 KEY
6	5 KEY	5 KEY
7	6 KEY	6 KEY
8	7 KEY	7 KEY
9	8 KEY	8 KEY
10	9 KEY	9 KEY
11	00 KEY	00 KEY
12	000 KEY	000KEY
13	DECIMAL POINT	. KEY
14	CLEAR	CLEAR
15	⊗	X
16	SUB TOTAL	SBTL
17	TOTAL	TOTAL
18	DIFF ST	DIF ST
19	#	#
20	NO SALE	NS
21	SCALE	SCALE
22	OPEN TARE	OPN TR
23	PLU	PLU
24	G.C. COPY	GCCOPY
25	L1	L1
26	L2	L2
27	L3	L3

Key No.	KEY	KEY TEXT
28	PRICE SHIFT	P.SFT
29	PINT	PINT
30	PRINT	VP
31	SLIP	SLIP
32	RCPT	RCPT
33	VOID	VOID
34	REFUND	RFND
35	% 1	%1
36	% 2	%2
37	% 3	%3
38	% 4	%4
39	(–)1	(–)1
40	(–)2	(–)2
41	(–)3	(–)3
42	(–)4	(–)4
43	VAT	VAT
44	AUTO	AUTO
45	AUTO2	AUTO2
46	AUTO3	AUTO3
47	AUTO4	AUTO4
48	AUTO5	AUTO5
49	AUTO6	AUTO6
50	AUTO7	AUTO7
51	AUTO8	AUTO8
52	AUTO9	AUTO9
53	AUTO10	AUTO10
54	CASH2	CA2
55	CHECK	CHECK
56	CHECK2	CHECK2
57	CHECK3	CHECK3
58	CHECK4	CHECK4
59	CR1	CR1
60	CR2	CR2
61	CR3	CR3
62	CR4	CR4
63	CR5	CR5
64	CR6	CR6
65	CR7	CR7
66	CR8	CR8
67	CHARGE	CHARGE
68	CONV1	EX 1
69	CONV2	EX 2
70	CONV3	EX 3
71	CONV4	EX 4
72	CONV5	EX 5
73	CONV6	EX 6
74	CONV7	EX 7
75	CONV8	EX 8
76	CONV9	EX 9
77	GLU/PBLU	PBAL
78	N.C.	N.C.
79	SERVICE	NBAL
80	FINAL	FINAL
81	RA	RA
82	RA2	RA2
83	PO	PO

Key No.	KEY	KEY TEXT
84	PO2	PO2
85	1/2	1/2KEY
86	AMT	AMT
87	VAT SHIFT	VAT SF
88	GUEST#	GUEST#
89	DEPOSIT	DPST
90	DEPOSIT RF	DEP.RF
91	B.T.	B.T.
92	B.S.	B.S.
93	G.C.RCPT	GC RCP
94	CASH TIP	CA TIP
95	NON CASH TIP	NC TIP
96	TIP PAID	TIP PD
97	CLERK#	CLERK#
98	CLERK 1	CLK 01
99	CLERK 2	CLK 02
100	CLERK 3	CLK 03
101	CLERK 4	CLK 04
102	CLERK 5	CLK 05
103	CLERK 6	CLK 06
104	CLERK 7	CLK 07
105	CLERK 8	CLK 08
106	CLERK 9	CLK 09
107	CLERK 10	CLK 10
108	CHECK PRINT	CHK PR
109	EAN	EAN
110	DEPT#	DEPT#
111	REPEAT	REPEAT
112	INQ	INQ
113	DELETE	DELETE
114	NO DELETE	NO DEL
115	CUSTOMER	CUST
116	PRICE CHANGE	PRCHNG

ER-A570 KEY POSITION

R	J	28	38	48	58	68	78	88	98	108	118	128	138	148	158
9	18	27	37	47	57	67	77	87	97	107	117	127	137	147	157
8	17	26	36	46	56	66	76	86	96	106	116	126	136	146	156
7	16	25	35	45	55	65	75	85	95	105	115	125	135	145	155
6	15	24	34	44	54	64	74	84	94	104	114	124	134	144	154
5	14	23	33	43	53	63	73	83	93	103	113	123	133	143	153
4	13	22	32	42	52	62	72	82	92	102	112	122	132	142	152
3	12	21	31	41	51	61	71	81	91	101	111	121	131	141	151
2	11	20	30	40	50	60	70	80	90	100	110	120	130	140	150
1	10	19	29	39	49	59	69	79	89	99	109	119	129	139	149

[JOB#971]

SRV FILE PROGRAMMING. (File creation deletion and change of record count or block count)

Key operation

- Normal file

971 → [•] → [X] → abc → [X] → (delete) XXXXX → [TL]

abc: File group No. XXXXX: Number of records

File_table (In the ER-A570, the shaded section ( ) is not used.)

Group No.	File name	Type	∗ File table No. (Create/Erase)
1	Dept	1	01, 02, 03, 05
2	Dept Text (8)	0	03
3	Dept Text (16)	0	04
4	Dept Deduct.	0	10
5	PLU	1	15, 16, 20, 23
6	PLU Price 1	0	16
7	PLU Price 1 & 2	0	17, 28
8	PLU Pint Price 1	0	18
9	PLU Pint Price 1 & 2	0	19
10	PLU Text (8)	0	20
11	PLU Text (16)	0	21
12	PLU stock	0	22
13	Link PLU	1	33
14	Set PLU	1	34
15	EAN 1 (Preset + Sales)	1	35, 36, 37, 39, 42
16	EAN 2 (Preset Only)	1	35, 36, 37, 39
17	EAN Price 1	0	37
18	EAN Price 1 & 2	0	38, 44
19	EAN Text (8)	0	39
20	EAN Text (16)	0	40
21	EAN stock	0	41
22	DYNAMIC EAN 1 (Preset+Sales)	1	46, 47, 48, 50, 52
23	DYNAMIC EAN 2 (Preset Only)	1	46, 47, 48, 50
24	DYNAMIC EAN Price 1	0	48
25	DYNAMIC EAN Price 1 & 2	0	49, 53
26	DYNAMIC EAN Text (8)	0	50
27	DYNAMIC EAN Text (16)	0	51
28	Mix&Match Table	1	54, 55, 138
29	Mix&Match sales Q'ty	1	56
30	EAN PGM Pick up	1	57
31	DYNAMIC EAN PGM Pick up	1	58
32	EAN X/Z Pick up	1	59
33	Cashier	1	66, 67, 68, 72, 73, 78, 79, 83, 84
34	Clerk	1	86, 87, 88, 92, 93, 98, 99, 103, 104
35	Hourly	1	108, 109
36	Daily net	1	113, 114
37	Reg buffer	1	119, 122
38	KP buffer	0	120
39	Overlapped clerk	0	121, 136, 137
40	GLU/PBLU 1 (Preset+Buffer)	1	126, 123
41	GLU/PBLU 2 (Preset+Buffer)	1	127, 123
42	GLU/PBLU Rcv. buffer (IRC)	2	124
43	Sign off Clerk (IRC)	2	106, 107
44	KP (IRC)	1	128, 129
45	Customer master	1	133
46	T-LOG Buffer	1	134
47	Term Dept	0	06, 11
48	Term PLU	0	24, 29
49	Term EAN	0	43, 45
50	Term Transaction	0	62
51	Term Cashier	0	74
52	Term Clerk	0	94
53	All of term file	0	06, 11, 24, 29, 43, 45, 62, 74, 94
54	GLU/PBLU 1 file (Preset Only)	1	126
55	GLU/PBLU 2 file (Preset Only)	1	127
56	GLU/PBLU buffer (Buffer Only)	1	123

Type = 0 ; Create/Erase only

Type = 1 ; Create/Erase and Increase/dicrease the number of Records or blocks

Type = 2 : Create/Erase and Increase/dicrease the number of blocks

∗ : The files which are created or erased by the entry of group No.

∗∗ : For individual erase

File table

Table No.	File name			RECORD			BLOCK			Label size	Data size
				MRS	Max.	#1	MRS	Max.	#2		
1	Dept.	Preset		20	99		1	1		1	8
2		Price		20	99	(1)	1	1		0	3
3		Text (8chra.)		20	99	(1)	1	1		0	8
4		Text (16chara.)		0	99	(1)	0	1		0	16
5		Daily		20	99	(1)	1	1		0	9
6		Term		20	99	(1)	1	1		0	9
7		Save daily		0	99	(1)	0	1		0	9
8		Consolidation		0	99	(1)	0	1		0	9
9		Receive		0	99	(1)	0	1		0	9
10		Daily	(deduct.)	0	99	(1)	0	1		0	8
11		Term	(deduct.)	0	99	(1)	0	1		0	8
12		Save daily	(deduct.)	0	99	(1)	0	1		0	8
13		Consol.	(deduct.)	0	99	(1)	0	1		0	8
14		Receive	(deduct.)	0	99	(1)	0	1		0	8
15	PLU	Preset		240	***		1	1		3	10
16		Price 1		240	***	(15)	0	1		0	3
17		Price 1&2		0	***	(15)	1	1		0	6
18		Pint price 1		0	***	(15)	0	1		0	3
19		Pint price 1&2		0	***	(15)	0	1		0	6
20		Text (8chra.)		240	***	(15)	1	1		0	8
21		Text (16 chara.)		0	***	(15)	0	1		0	16
22		Stock		0	***	(15)	0	1		0	8
23		Daily	(Price 1)	240	***	(15)	1	1		0	9
24		Term	(Price 1)	240	***	(15)	1	1		0	9
25		Save daily	(Price 1)	0	***	(15)	0	1		0	9
26		Consol.	(Price 1)	0	***	(15)	0	1		0	9
27		Receive	(Price 1)	0	***	(15)	0	1		0	9
28		Daily	(Price 2)	0	***	(15)	1	1		0	9
29		Term	(Price 2)	0	***	(15)	1	1		0	9
30		Save daily	(Price 2)	0	***	(15)	0	1		0	9
31		Consol.	(Price 2)	0	***	(15)	0	1		0	9
32		Receive	(Price 2)	0	***	(15)	0	1		0	9
33	Link PLU			30	***		1	1		3	15
34	Set PLU			10	***		1	1		3	30
35	EAN	Preset		0	***		0	1		3	10
36		Flag		0	***	(35)	0	1		0	2
37		Price 1		0	***	(35)	0	1		0	3
38		Price 1&2		0	***	(35)	0	1		0	6
39		Text (8chra.)		0	***	(35)	0	1		0	8
40		Text (16chara.)		0	***	(35)	0	1		0	16
41		Stock		0	***	(35)	0	1		0	8
42		Daily	(Price 1)	0	***	(35)	0	1		0	9
43		Term	(Price 1)	0	***	(35)	0	1		0	9
44		Daily	(Price 2)	0	***	(35)	0	1		0	9
45		Term	(Price 2)	0	***	(35)	0	1		0	9
46	D-EAN	Preset		0	***		0	1		7	9
47		Flag		0	***	(46)	0	1		0	2
48		Price 1		0	***	(46)	0	1		0	3
49		Price 1&2		0	***	(46)	0	1		0	6
50		Text (8chra.)		0	***	(46)	0	1		0	8
51		Text (16chara.)		0	***	(46)	0	1		0	16
52		Daily	(Price 1)	0	***	(46)	0	1		0	9
53		Daily	(Price 2)	0	***	(46)	0	1		0	9
54	Mix & Match		Preset	0	***		0	1		1	39

Table No.	File name	RECORD			BLOCK			Label size	Data size
		MRS	Max.	#1	MRS	Max.	#2		
55	Text	0	＊＊＊	(54)	0	1		0	8
56	Sales Q'ty	0	＊＊＊		0	1		16	14
57	EAN PGM Pick up	0	＊＊＊		0	1		7	0
58	D-EAN PGM Pick up	0	＊＊＊		0	1		7	0
59	EAN X/Z Pick up	0	＊＊＊		0	1		7	0
60	Transaction Label	99	99		1	1		2	0
61	Daily	99	99	(60)	1	1		0	8
62	Term	99	99	(60)	1	1		0	8
63	Save daily	0	99	(60)	0	1		0	8
64	Consolidation	0	99	(60)	0	1		0	8
65	Receive	0	99	(60)	0	1		0	8
66	Cashier Preset	0	9		0	1		1	3
67	Flag	0	9	(66)	0	1		0	2
68	Text	0	9	(66)	0	1		0	8
69	Receive cashier Preset	0	9	(66)	0	1		1	3
70	Flag	0	9	(66)	0	1		0	2
71	Text	0	9	(66)	0	1		0	8
72	Cashier transaction Label	0	72		0	9	(66)	2	0
73	Daily	0	72	(72)	0	9	(66)	0	8
74	Term	0	72	(72)	0	9	(66)	0	8
75	Save daily	0	72	(72)	0	9	(66)	0	8
76	Consolidation	0	72	(72)	0	9	(66)	0	8
77	Receive	0	72	(72)	0	9	(66)	0	8
78	Reset cashier transaction Label	0	72	(72)	0	1		2	0
79	Daily	0	72	(72)	0	1		0	8
80	Save file	0	72	(72)	0	1		0	8
81	Consolidation	0	72	(72)	0	1		0	8
82	Receive	0	72	(72)	0	1		0	8
83	Total cashier (Buffer) Label	0	72	(72)	0	1		2	0
84	Total	0	72	(72)	0	1		0	8
86	Clerk Preset	6	255		1	1		1	8
87	Flag	6	255	(86)	1	1		0	3
88	Text	6	255	(86)	1	1		0	8
92	Clerk transaction Label	76	76		6	255	(86)	2	0
93	Daily	76	76	(92)	6	255	(86)	0	8
94	Term	76	76	(92)	6	255	(86)	0	8
95	Save daily	0	76	(92)	0	255	(86)	0	8
96	Consolidation	0	76	(92)	0	255	(86)	0	8
97	Receive	0	76	(92)	0	255	(86)	0	8
98	Reset clerk transaction Label	76	76	(92)	1	1		2	0
99	Daily	76	76	(92)	1	1		0	8
100	Save daily	0	76	(92)	0	1		0	8
101	Consolidation	0	76	(92)	0	1		0	8
102	Receive	0	76	(92)	0	1		0	8
103	Total clerk (Buffer) Label	76	76	(92)	1	1		2	0
104	Total	76	76	(92)	1	1		0	8
106	Clerk sign on/off Label	0	76	(92)	0	1		2	0
107	receive	0	76	(92)	0	1		0	8
108	Hourly Label	49	49		1	1		1	0
109	Daily	49	49	(108)	1	1		0	8
110	Save daily	0	49	(108)	0	1		0	8
111	Consolidation	0	49	(108)	0	1		0	8
112	Receive	0	49	(108)	0	1		0	8
113	Daily net Label	32	32		1	1		3	0
114	Total	32	32	(113)	1	1		0	8
115	Daily net consolidation Label	0	32	(113)	0	1		3	0

Table No.	File name	RECORD			BLOCK			Label size	Data size
		MRS	Max.	#1	MRS	Max.	#2		
116	Consolidation	0	32	(113)	0	1		0	8
117	Daily net receive Label	0	32	(113)	0	1		3	0
118	Receive	0	32	(113)	0	1		0	8
119	Reg. buffer	80	255		1	1		0	48
120	KP buffer	0	255	(119)	0	1		0	48
121	Over lapped clerk	0	255	(119)	0	6	(86)	0	48
122	GLU/PBLU buffer	80	255	(119)	1	1		0	48
123	B.T./B.S. buffer	80	255	(119)	1	1		0	48
124	GLU/PBLU receive buffer	0	255	(119)	0	1		0	48
125	GLU/PBLU save buffer	0	255	(119)	0	1		0	48
		<Label:Data>							
126	GLU/PBLU 1	50:1350	***:***		1	1		8	45
127	GLU/PBLU 2	0:0	***:***		0	1		8	50
128	KP Preset	0	9		0	1		1	3
129	Text	0	9	(128)	0	1		0	12
130	Message text	75	75		1	1		1	12
131	Guidance text	21	21		1	1		1	12
132	Miscellaneous text	304	304		1	1		2	8
133	Customer master	0:0	***:***		0	1		13	19
134	T-LOG buffer	0	***		0	1		0	48
135	T-LOG receive buffer	0	255	(119)	0	1		0	48
136	Over lapped clerk GLU/PBLU edit buffer	0	255	(119)	0	6	(86)	0	48
137	Over lapped clerk Mix&Match sales Q'ty buffer	0	255	(56)	0	6	(86)	0	30
138	Mix&Match Discount buffer	0	255	(119)	0	1		0	48

(#1) : Same as the number of record of table no. N
(#2) : Same as the number of block of table no. N

[JOB#996, 998] SIO data send/receive (ECR↔ECR, ECR↔ER-02FD)

Note: When this JOB is executed at the master with the satellite machine operating in the inline system, data may not be saved in a floppy disc. Therefore this JOB should be used only when all the other machines in the inline system are not used.

[JOB#996] SIO data send

All data (bypasses NK)

996 → [•] → [X] → NK → [TL]

NK : 0 = SSP
1 = Standard RAM+01RA/02RA
2 = 01MB (0.5MB)/02MB (0.5MB: 1st half)
3 = 02MB (0.5MB: 2nd half)

[JOB#998] SIO data receive

998 → [•] → [X] → [TL]

[JOB#989] Resetting of all counter and totalizer

989 → [•] → [X] → [TL]

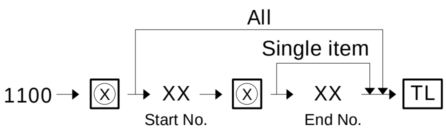
All counter, totalizer, stock counter, all GTs, and all Z counter are reset.

CHAPTER 2. PROGRAM (PGM2/PGM1) MODE

1.Reading of the PGM mode program

[JOB#1100]: DEPT reading

Key operation




```
01/06/95 12:34PM
123456#1234      0001
        /BETTY

#1100 *PGM1*                    JOB CODE/MODE TITLE

D01 T123456 -1000.00            DPT CODE/ TAXABLE/SIGN. PRICE
DPT.01              G01         TEXT/GROUP No.
0000003 KP121   C1L18           (*1) PROGRAM/(*2) PRINT STATION/HALO
                                /COMMISSION GROUP/HALO
```

(∗ 1) PROGRAM : ABCDEFG

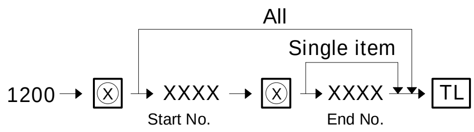
A:	(Not used)	0
B:	Item vp compulsory/noncompulsory	1/0
C:	Tare table No.	1 to 9/0
D:	Scale Compulsory/Enable/Inhibit	2/1/0
E:	SIF/SICS/Normal	2/1/0
F:	(Not used)	0
G:	Amount entry type Open and preset/preset/open/inhibited	3/2/1/0

(∗ 2) PRINT STATION (Option) : "KP" ABC

A:	KP1 No. of In-line/no output		= 1 to 9/0
B:	KP2 No. of In-line/no output		= 1 to 9/0
C:	Printing on receipt	Yes/No	= 1/0

[JOB#1200]: PLU reading

Key operation




```
01/ 06/ 95  12: 34πμ
123456#1234          0001
          / βεττψ___

#1200  *ΠΓ Μ΄  *                ϑOB ΧΟΔΕ/ΜΟΔΕ ΤΙΤΛΕ
                                  Ασσοχιατεδ
Π 000001( Υ ΄  )      / 00      ΠΛΥ ΧΟΔΕ/ΔΕΠΤ χοδε/(∗ 1)/ΒΑΣΕ ΘΤΨ
 τ123456         –1000. 00          ΤΑΞΑΒΛΕ/ΣΙΓΝ. ΠΡΙΧΕ1
                 –2000. 00               ΣΙΓΝ. ΠΡΙΧΕ2
πλ000001           γ01χ1        ΤΕΞΤ/ΓΡΟΥΠ/ΧΟΜΜΙΣΣΙΟΝ ΓΡΟΥΠ
003  κπ121    σ 1000. 000       (∗ 2) ΠΡΟΓΡΑΜ/ΠΡΙΝΤ ΣΤΑΤΙΟΝ/ΣΤΟΧΚ
              μ     10. 000     ΜΙΝΙΜΥΜ ΣΤΟΧΚ

Π 000001               ——       Ω ΗΕΝ ΔΕΛΕΤΕ ΠΛΥ
```

(∗ 1) NORMAL. LINK PLU. SET MENU
: NORMAL
: L LINK PLU
: S SET MENU

(∗ 2) PROGRAM: ABC

A:	Tare table No.	9 to 1/0
B:	Scale Compulsory/Enable/Inhibit	2/1/0
C:	Amount entry type Open and preset/preset/open /inhibited (PLU) (Sub-dept)	= 3/2/1/0

[JOB#1220]: STOCK ADD PRESET

```
01/06/95 12:34PM 01-1
123456#1234       0001
JACK   /BETTY

#1220 *PGM1*                    JOB CODE/MODE TITLE

P000001         1000.000        OLD STOCK
                  10.000        (INPUT STOCK)
              S 1010.000        NEW STOCK
```

[JOB#1221]: STOCK SUB PRESET

```
01/ 06/ 95  12: 34πμ
123456#1234        0001
           / βεττψ___

#1221  *Π Γ Μ′  *                JOB CODE/MODE TITLE

Π 000001          1000. 000      OLD STOCK
                   –10. 000      (INPUT STOCK)
              σ    990. 000      NEW STOCK
```

[JOB#1222]: STOCK IN VENTRY PRESET

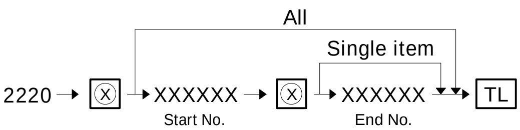
```
01/ 06/ 95  12: 34πμ
123456#1234        0001
           / βεττψ___

#1222  *Π Γ Μ′  *                JOB CODE/MODE TITLE

Π 000001          1000. 000      OLD STOCK
                   500. 000      (NEW STOCK) - (OLD STOCK)
            σ    15000. 000      NEW STOCK (INPUT STOCK)
```

[JOB#2220]: LINK PLU PRESET OR READING

Key operation



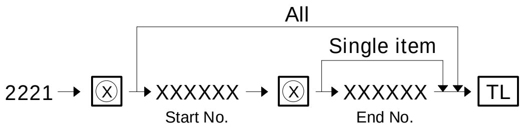

```
01/ 06/ 95  12: 34πμ
123456#1234        0001
           / βεττψ___

#2220  *Π Γ Μ≤  *                JOB CODE/MODE TITLE

Π 000001        Λ π001001        ΠΛΥ ΧΟΔΕ/ΛΙΝΚ ΠΛΥ ΧΟΔΕ (ΜΑΞ 5)
                  π001002
                  π001003
```

[JOB#2221]: SET MENU PRESET OR READING

Key operation




```
01/ 06/ 95  12: 34πμ
123456#1234        0001
           / βεττψ___

#2221  *Π Γ Μ≤  *                JOB CODE/MODE TITLE

Π 000001        Σ π001001        ΠΛΥ ΧΟΔΕ/ΛΙΝΚ ΠΛΥ ΧΟΔΕ (ΜΑΞ 10)
                  π001002
                  π001003
                  π001004
                  π001005
```

[JOB#1300]: FUNCTION PRESET READING

Key operation

1300 → [X] → [TL]

```
 [          ]

01/ 06/ 95  12: 34πμ
123456#1234          0001
           / βεττψ___

#1300  *Π Γ Μ′  *                JOB CODE/MODE TITLE

Φ 001[  ~  ]  1                  FUNCTION NO. / TEXT
Ι                  –1000. 00     SING, RATE
                        λ17                / HALO
Φ 002[  ~  ]  2
Σ                  –2000. 00
                        λ17
            €
Φ 005  %1
Ι                   –10. 00%     RATE
               λ  20. 00%                  / HALO
Φ 006  %2
Σ                   –20. 00%
               λ  30. 00%
            €
            €

            €
            €
Φ 050  χα/ χηκ
              999999. 99         HALO
            €
Φ 053  Χ αση            λ18
            00000000000          (* 1) PGM

            €
Φ 068  εξχη1
              9999. 9999         RATE
            €
Φ 086  ****χι δ
             9999999. 99         SENTINEL
Φ 089  χηκ/ χγ
              999999. 99         HALO

Φ 145  γρουπ1
  146  γρουπ2
            €
```

(* 1) PGM: ABCDEFGHIJKL

A:	EFT function	compulsory/noncompulsory	1/0
B:	Slip print	compulsory/noncompulsory	1/0
C:	Footer print	compulsory/noncompulsory	1/0
D:	Non-add code entry	compulsory/noncompulsory	1/0
E:	Change due	Disable/Enable	1/0
F:	VP	compulsory/noncompulsory	1/0
G:	(Not used)		0
H:	(Not used)		0
I:	(Not used)		0
J:	(Not used)		0
K:	Drawer opening	No./Yes	1/0
L:	Entry of amount tendered		
	compulsory/noncompulsory	(Cash, check)	1/0
	compulsory/inhibit	(CR1 to 8)	1/0

Σ [JOB#2600]: READING OF OTHER

Key operation

2600 → [X] → [TL]

```
 [          ]

01/ 06/ 95  12: 34πμ
123456#1234          0001
           / βεττψ___

#2600  *Π Γ Μ′  *                JOB CODE/MODE TITLE

#2614                            LOGO MESSAGE
      Σ Η Α Ρ Π
         Ι  Σ
    Τ Η Ε   Β Ε Σ Τ
       Ψ Ο Υ Ρ
    Ρ Ε Χ Ε Ι  Π Τ
  Τ Η Α Ν Κ    Ψ Ο Υ
#2615       00  00  99  1  0     (* 1) SLIP/VP
#2616                            (* 2) OPTIONAL FEATURE
     1              00000000
     2              00000000
     3              00000000
     4              00000000
     5              00000000
     6              00000000
     7              00000000
     8              00000000
     9              00000000
     €                     €
#2617                    000     DRAWER ALARM
#2618  1               0. 00     SCALE TABLE No./WEIGHT
       2               0. 00
            €
#2619                  1  08     (* 3) HOURLY REPORT
#2620                            STACK REPORT 1
                          20
       000001–  001000
                          40
#2621                            STACK REPORT 2
                          00
                          60
#2630                   0000     SECRET CODE PGM1
#2631                   0000                 X1/Z1
#2632                   0000                 X2/Z2
```

(* 1) SLIP/VP: ZZ ab cd y x

zz:	MINIMUM LENGTH FOR BILL ON RECEIPT	= 0 to 30
ab:	INITIAL SLIP FEED LINE	= 0 to 64
cd:	SLIP PRINT MAX LINE NO.	= 0 to 99
y:	NO. OF TIMES OF VALIDATION PRINTING	= 0 to 9
x:	(Not used)	= 0

(* 2) Optional feature: ABCDEFGH

2616 → [•] → [X] → X → [X] → ABCDEFGH → [SBTL] → [TL]
(0: ABCDEFGH may be skipped; loop returns from [SBTL] to X)

MRS = 00000000

x: 1
- A: OP X/Z report — Disable/Enable 1/0
- B: PO operation in REG mode — Disable/Enable 1/0
- C: (not used) — 0
- D: "RFND" key entry in REG mode — Disable/Enable 1/0
- E: Direct void function in REG mode — Disable/Enable 1/0
- F: Indirect void in REG mode — Disable/Enable 1/0
- G: Subtotal void in REG mode — Disable/Enable 1/0
- H: Refund VP — Compulsory/Non compulsory 1/0

x: 2 — MRS = 00000000
- A: The first last item void — Disable/Enable 1/0
- B: PLU level shift system — Manual/Auto 1/0
- C: PLU level shift system — MGR/MGRR & REG 1/0
- D: Printing of the number of purchases — Yes/No 1/0
- E: Time print — No/Yes 1/0
- F: Journal select/Full print — 1/0
- G: Item VP — Disable/Enable 1/0
- H: (–) VP — Compulsory/Non compulsory 1/0

x: 3 — MRS = 00000000
- A: (Not used) — 0
- B: Zero skip in Clerk report — No/Yes 1/0
- C: (Not used) — 0
- D: Zero skip in Transaction report — No/Yes 1/0
- E: Zero skip in DEPT. report — No/Yes 1/0
- F: Zero skip in PLU report — No/Yes 1/0
- G: Zero skip in hourly report — No/Yes 1/0
- H: Zero skip in Daily net report — No/Yes 1/0

x: 4 — MRS = 00000000
- A: (Not used) — 0
- B: (Not used) — 0
- C: Vat/Tax amount printing on R/J — No/Yes 1/0
- D: Taxable amount printing on R/J — No/Yes 1/0
- E: Net amount printing on R/J — No/Yes 1/0
- F: (Not used) — 0
- G: (Not used) — 0
- H: When PLU level system is "Auto" (x: 2 B = 0, PLU level returns to level 1 by one receipt/by one item. — 1/0

x: 5 — MRS = 00010100
- A: (Not used) — 0
- B: (Not used) — 0
- C: (Not used) — 0
- D: VAT shift system — By shift key/by clerk (Cashier) 1/0
- E: PLU price shift system — By clerk (Cashier)/by shift key 1/0
- F: PLU price shift system — MGR/MGR & REG 1/0
- G: PLU price shift system — Manual/Auto 1/0
- H: Return timing at "Auto" (x: 5 G = 0) — By one receipt/by one item 1/0

x: 6 — MRS = 00000000
- A: VAT/TAX amount printing on bill — No/Yes 1/0
- B: Taxable amount printing on bill — No/Yes 1/0
- C: Net amount printing on bill — No/Yes 1/0
- D: Time printing on bill — No/Yes 1/0
- E: Bill printing on slip — No/Yes 1/0
- F: Bill printing on receipt — No/Yes 1/0
- G, H: (Not used) — 0

x: 7 (Not used) — MRS = 00000000

x: 8 — MRS = 00000000
- A: (Not used) — 0
- B: Non turnover including VAT — Yes/No 1/0
- C: (Not used) — 0
- D: (Not used) — 0
- E: (Not used) — 0
- F: (Not used) — 0
- G: (Not used) — 0
- H: (Not used) — 0

x: 9 (Not used) — MRS = 00000000

x:10 — MRS = 01000000
- A: (Not used) — 0
- B: Action shift key — Caps Lock/Shift 1/0
- C: (Not used) — 0
- D: (Not used) — 0
- E: (Not used) — 0
- F: (Not used) — 0
- G: (Not used) — 0
- H: (Not used) — 0

x: 11 (Not used) — MRS = 10001000

x: 12 (Not used) — MRS = 00000011

x: 13 — MRS = 00000000
- A: Credit totalizer update if RA/PO finalized by Credit key — Yes/No 1/0
- B: Separator line in Report — Separator line/1 line 1/0
- C: (Not used) — 0
- D: (Not used) — 0
- E: (Not used) — 0
- F: (Not used) — 0
- G: (Not used) — 0
- H: (Not used) — 0

(∗ 3) Hourly report : a bc
- a: Hourly report format by 15 minutes/by 30 minutes — 1/0
- bc: start hour — 00 to 23

[JOB#2640]: READING OF TEXT PROGRAMMING

Key operation

2640 → ⓧ → TL

```
01/ 06/ 95  12: 34πμ
123456#1234         0001
          / βεττψ___

#2640 *Π Γ Μ′  *            JOB CODE/MODE TITLE
#2641
01          εντρψ ερρορ     MESSAGE TEXT
02          μι σοπερατι ον
             €
             €
#2642                       VP TEXT

φορ δεποσι τ ονλψ
#2643                       SLIP TEXT


#2644                       GUIDANCE
 1          εντερ δεπτ#
 2          πρι χε
 3          προγραμμι νγ
 4          ταξ
 5          ηαλο
 6          τεξτ
 7          χομμι σσι ον
 8          γρουπ
 9          πρι ντ στατ.
10          εντερ πλυ#
11          δεπτ & τψπε
12          βασε θ› τψ
13          σι γν ανδ ταξ
             €
             €
#2646                       ΠΑΨΕΕ ΝΑΜΕ ΦΟΡ ΕΝΓΛΙΣΗ ΧΗΕΧΚ
```

[JOB#2900]: AUTO KEY READING

Key operation

2900 → ⓧ → TL

```
01/ 06/ 95  12: 34πμ
123456#1234         0001
          / βεττψ___

#2900  *Π Γ Μ≤ *            JOB CODE/MODE TITLE

#ϒ ′
                   1 κεψ
                   0 κεψ
                   0 κεψ
                   τοταλ
#ϒ ≤
                   Δ ϒ ′    (DEPT01)
                   Δ ϒ ≤
                Π 000001    (PLU000001)
```

[JOB#1400]: CLERK READING REP.

Key operation

1400 → ⓧ → TL

```
01/ 06/ 95  12: 34πμ
123456#1234         0001
          / βεττψ___

#1400  *Π Γ Μ′  *           JOB CODE/MODE TITLE

001χ#ϒ ϒ ϒ ′  χλερκ001      CLERK CODE/NAME
0001–0010     000000δ1      TABLE LINK NO./(* 1)
002χ#ϒ ϒ ϒ ≤  χλερκ002
0011–0020     000000δ1
003χ#ϒ ϒ ϒ ⁄  χλερκ003
0021–0030     000000δ1
004χ#ϒ ϒ ϒ ∞  χλερκ004
0031–0040     000000δ1
```

(* 1) ABCDEFGH

A:	(Not used)	0
B:	(Not used)	0
C:	(Not used)	0
D:	(Not used)	0
E:	VAT shift	State/Not 1/0
F:	Price level	Price 2/price 1 = 1/0
G:	(Not used)	0
H:	DRAWER NO. /NOT OPEN	= 1 to 4 / 0

[JOB#2700]: TAX TABLE READING REP.

Key operation

2700 → ⓧ → TL

```
01/ 06/ 95  12: 34πμ
123456#1234         0001
        / βεττψ____

#2700  *Π Γ Μ≤  *              JOB CODE/MODE TITLE

τα ξ1           10. 0000%      TAX NO./RATE
                    0. 10      LOWER TAX LIMIT
τα ξ2            4. 0000%      TABLE NO./RATE
                    0. 10      LOWER TAX LIMIT
τα ξ3            5. 0000%
                    0. 20
τα ξ4            6. 0000%
                    0. 30
τα ξ5            7. 0000%
                    0. 40
τα ξ6            8. 0000%
                    0. 50
```

[JOB#2119]: DIRECT KEY READING REP.

Key operation

2119 → ⓧ → TL

```
01/ 06/ 95  12: 34πμ           DATE (MM/DD/YY)/TIME
123456#1234         0001       MACHINE NO./CC-NO.
        / βεττψ____

#2119  *Π Γ Μ≤  *              JOB CODE/MODE TITLE

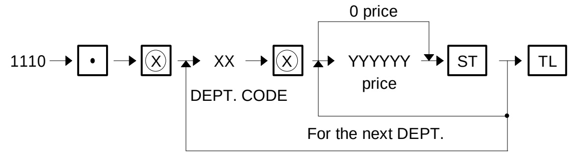
ϒ ϒ ′             Δ ϒ ′        ΚΕΨ ΝΟ./ΔΕΠΤ ΧΟΔΕ ΟΡ ΠΛΥ ΧΟΔΕ
ϒ ϒ ≤             Δ ϒ ≤
          €
ϒ ƒ ′          Π 000001
ϒ ƒ ≤          Π 000002

′  ƒ ′             _____
          €
```

2. Programming

[JOB#1110]

PROGRAMMING OF DEPT. PRICE

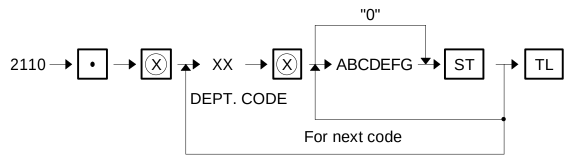


XX: DEPT-CODE = 01 ~ 99
YYYYYY: PRICE = 0 ~ 999999
Preset price is max. 6 digits.
Price can be programmed for each dept. If this programming is performed, the ECR is automatically programmed to allow preset price entry even when it has been programmed not to allow preset price entry in dept. function programming (JOB#2110).

MRS = 000000

[JOB#2110]

PROGRAMMING OF DEPT. FUNCTION



XX: DEPT. code = 01 ~ 99

A: Not used (Fixed at "0")

B:

Item validation printing	2110-B
Non compulsory	0
Compulsory	1

C:

Tare table No.	C
No	0
Table No. 1~9	1~9

D:

Scale entry	D
Inhibit	0
Enable	1
Compulsory	2

E:

SICS Function	E
Normal	0
Single item cash sale	1
Single item finalize	2

F: Not used (Fixed at "0")

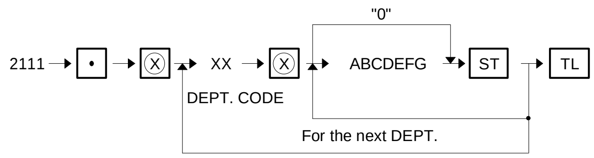
G:

Amount entry type	G
Inhibited	0
Open	1
Preset	2
Open and preset	3

MRS = 000001

[JOB#2111]

DEPT. TAX STATUS AND SIGN PROGRAMMING



XX: DEPT. CODE = 01 ~ 99

A: Not used (Fixed at "0")

B:

Taxable 6	B
Non taxable	0
Taxable	1

C:

Taxable 5	C
Non taxable	0
Taxable	1

D:

Taxable 4	D
Non taxable	0
Taxable	1

E:

Taxable 3	E
Non taxable	0
Taxable	1

F:

Taxable 2	F
Non taxable	0
Taxable	1

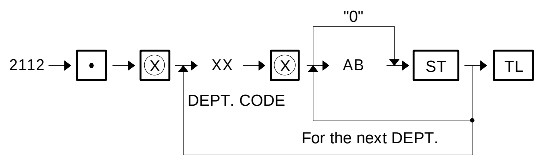
G:

Taxable 1	G
Non taxable	0
Taxable	1

MRS = 0000000

[JOB#2112]

DEPT. HALO (limit) preset



XX: DEPT. CODE = 01 ~ 99

A: Mantissa = 1 ~ 9

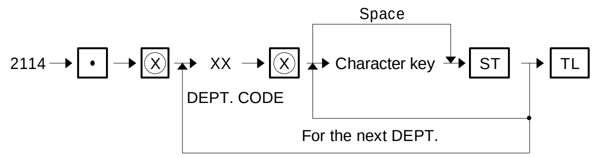
B: Exponent = 0 ~ 8

* Items A and B indicate $A \times 10^B$. Any amount below that value is enable within 9999999.

MRS = 18

[JOB#2114]

DEPT. TEXT PROGRAMMING



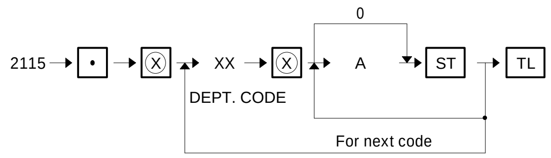
XX: DEPT. CODE = 01 ~ 99

Characters can be entered by using alphabetic keys or numeric keys. Please refer to section 3.

MRS = DPT. XX

[JOB#2115]

COMMISSION GROUP PROGRAMMING

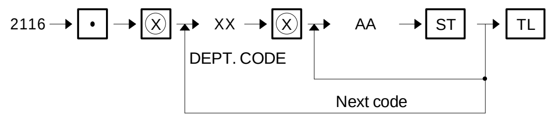


XX: DEPT. CODE = 01 ~ 99

A: Group No. = 0~3

[JOB#2116]

PROGRAMMING OF DEPT. GROUP



XX: DEPT. code = 01 ~ 99

AA: Group No. = 1 ~ 17

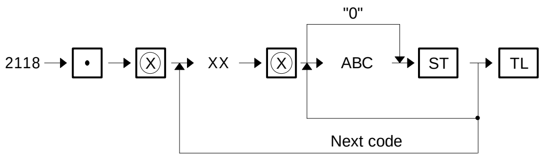
Group No.	Group name
1~9	Plus department
10	Minus department
11	Plus HASH department
12	Minus HASH department
13	Plus BR department
14	Minus BR department
15	Non-turnover 1
16	Non-turnover 2
17	Non-turnover 3

MRS = 01

A selection of the group "Hash" is inhibited when the hash function is programmed as disabled in SRV mode.

[JOB#2118]

PRINT STATION PROGRAMMING



XX: DEPT. code = 01 ~ 99

A:

KP1 No. of in-line	A
No output	0
KP1 No.	1~9

B:

KP2 No. of in-line	B
No output	0
KP2 No.	1~9

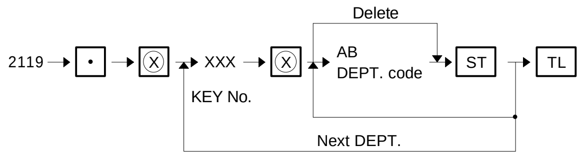
C:

Printing on receipt	C
No	0
Yes	1

MRS = 001

[JOB#2119]

LINK NUMBER PROGRAMMING FOR DIRECT DEPT. KEYS



DEPT. code is assigned to the key no. Which has been programmed in JOB#951 programming.

AB: DEPT, CODE = 01 ~ 90

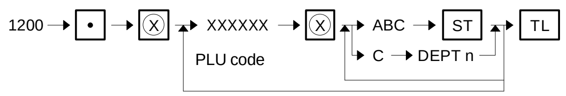
[JOB#2100]

LEAD THROUGH PROGRAMMING FOR DEPARTMENT

Step No.	Key sequence	Display	Guidance No. (JOB#2644)	Contents
1	2100 → • → ⓧ →	ENTER DEPT#	1	
2	→ XX → ⓧ →	PRICE	2	
3	→ XXXXXX → ⓧ → ST →	PROGRAMMING	3	JOB#1100
4	→ XXXXXXX → ⓧ → ST →	TAX	4	JOB#2110
5	→ XXXXXXX → ⓧ → ST →	HALO	5	JOB#2111
6	→ XX → ⓧ → ST →	(programmed text)		JOB#2112
7	→ (Character) → ST →	COMMISSION	7	JOB#2114
8	→ X → ST →	GROUP	8	JOB#2115
9	→ XX → ST →	PRINT STAT.	9	JOB#2116
10	→ XXX → ST →	PRICE	2	JOB#2118
Dept. No. is able to be entered by the operation of "XX & ".				
11	→ TL			
The entry moves the next step by & key and returns the previous step by (key.				

[JOB#1200]

Creating/assigning PLUs and the associated departments.



XXXXXX: PLU code = 01 ~ 999999
AB: DEPT. code = 01 ~ 99

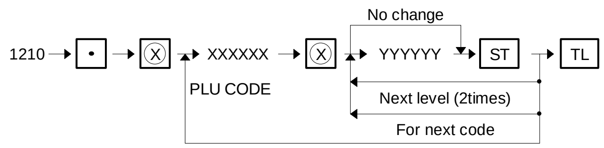
C:

Amount entry type	C
Inhibited	0
Open	1
Preset	2
Open and preset	3
Delete	4

MRS = 012

[JOB#1210]

PRICE PROGRAMMING FOR PLUS (Price 1 and 2)



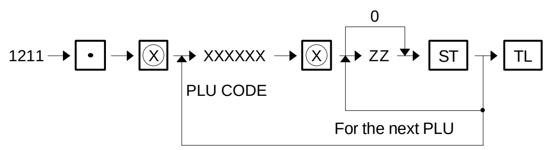
XXXXXX: PLU CODE = 1 ~ 999999
YYYYYY: Amount = 0 ~ 999999

Any PLU code should already be defined (JOB#1200) when, its unit price is programmed.

MRS = 000000

[JOB#1211]

PLU BASE Q'TY PROGRAMMING

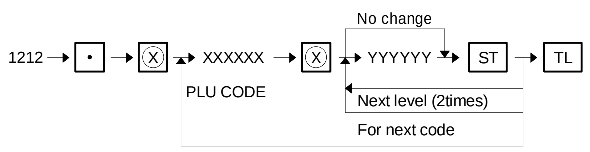


XXXXXX: PLU code = 1 ~ 999999
ZZ: Base quantity = 00 ~ 99

Any PLU code should already be defined (JOB#1200) when its base quantity is programmed.

[JOB#1212]

PLU unit price for pint sale programming (Price 1 and 2)



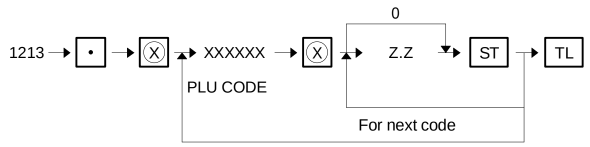
XXXXXX: PLU code = 1~999999
YYYYYY: Amount = 0~999999

Any PLU code should already be defined when its unit price is programmed.

MRS = 000000

[JOB#1213]

PLU pint Q'ty programming



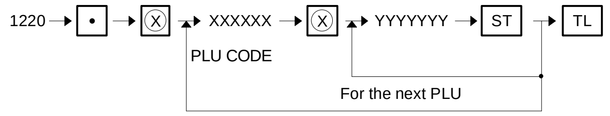
XXXXXX: PLU code = 1~999999
Z.Z: Print quantity = 0.0~9.9

Any PLU code should already be defined when its unit price is programmed.

MRS = 0.0

[JOB#1220]

PROGRAMMING OF PLUS STOCK (ADD)



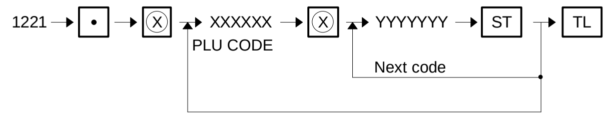
XXXXXX: PLU code = 1 ~ 999999
YYYYYYY: Stock value = 1 ~ 9999999

The stock value is max. 7 digits. The stock value entered is added to the PLU stock counter.

MRS = 0.000

[JOB#1221]

PROGRAMMING OF PLU STOCK (SUB)



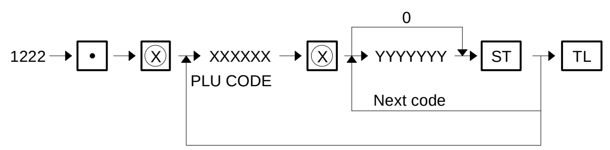
XXXXXX: PLU code = 1 ~ 999999
YYYYYYY: Stock value = 1 ~ 9999999

The stock value is max. 7 digits. The stock value entered is subtracted from the PLU stock counter.

MRS = 0.000

[JOB#1222]

PROGRAMMING OF PLU STOCK (OVERWRITE)



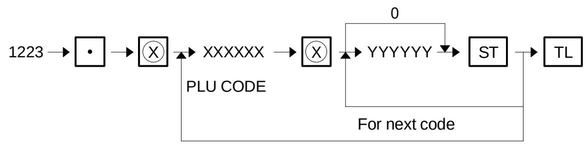
XXXXXX: PLU code = 1 ~ 999999
YYYYYYY: Stock value = 1 ~ 9999999

The stock value is max. 7 digits. The stock value entered is overrited to the PLU stock counter.

MRS = 0.000

[JOB#1223]

Programming of PLU minimum stock



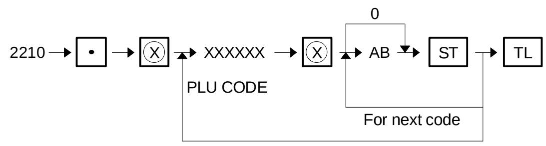
XXXXXX: PLU code = 1~999999
YYYYYYY: Stock value = 1~9999999

* The stock value is Max. 7 digits.

MRS = 0.000

[JOB#2210]

PLU function programming



XXXXXX: PLU code = 1~999999

A:

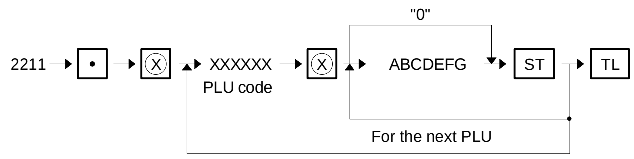
Tare table No.	A
No	0
Table No. 1~9	1~9

B:

Scale entry	B
Inhibit	0
Enable	1
Compulsory	2

[JOB#2211]

PLU TAX STATUS PROGRAMMING



XXXXXX: PLU code = 1 ~ 999999

A:

Sign	A
+	0
–	1

B:

Taxable 6	B
Non taxable	0
Taxable	1

C:

Taxable 5	C
Non taxable	0
Taxable	1

D:

Taxable 4	D
Non taxable	0
Taxable	1

E:

Taxable 3	E
Non taxable	0
Taxable	1

F:

Taxable 2	F
Non taxable	0
Taxable	1

G:

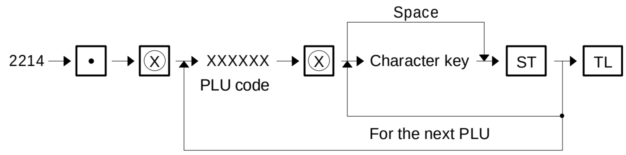
Taxable 1	B
Non taxable	0
Taxable	1

Any PLU code should already be defined when its unit price is programmed.

MRS = 0000000

[JOB#2214]

PLU TEXT PROGRAMMING

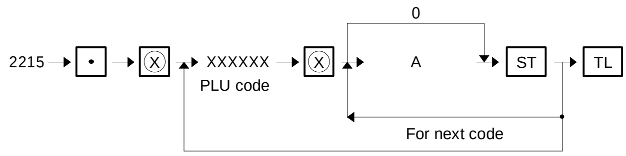


XXXXXX: PLU CODE = 1 ~ 999999
Characters can be entered by using alphabetic keys or numeric keys.
Please refer to section 3.
UP TO 8 (OR 16) CHARACTERS CAN BE PROGRAMMED.

MRS = PLXXXXXX

[JOB#2215]

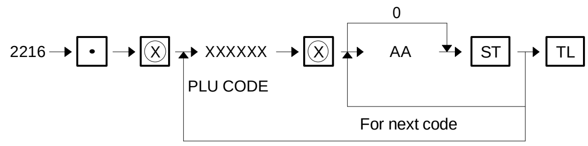
COMMISSION GROUP PROGRAMMING



XXXXXX: PLU code = 1 ~ 999999
A: Group No. = 0 ~ 3

[JOB#2216]

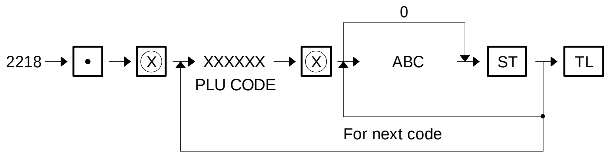
PLU group programming



XXXXXX: PLU code = 1~999999
AA: Group No. = 0~99

[JOB#2218]

PRINT STATION PROGRAMMING



XXXXXX: PLU code = 1 ~ 999999

A:

KP1 No. of in-line	A
No output	0
KP1 No.	1~9

B:

KP2 No. of in-line	B
No output	0
KP2 No.	1~9

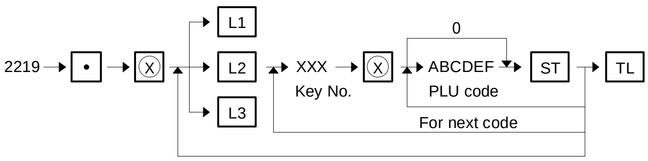
C:

Printing on receipt	2218-C
No	0
Yes	1

MRS = 001

[JOB#2219]

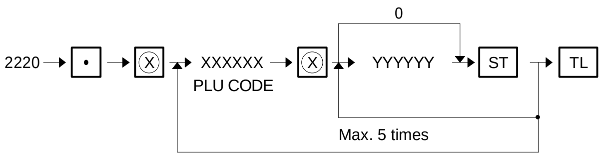
PLU CODE DEFINITION FOR DIRECT PLU KEYS



ABCDEF: PLU code = 1~999999
The key position of L1, L2 and L3 is the position of the character key for "small 1", "small 2" and "small 3".
PLU code is assigned to the key No. which has been programmed in JOB#951 programming.

[JOB#2220]

LINKED PLU PROGRAMMING



XXXXXX: PLU code = 1 ~ 999999
YYYYYY: PLU code = 1 ~ 999999

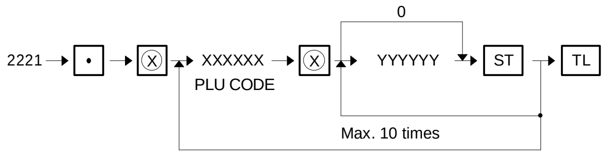
When the "ST" key is depressed without entering any number in (YYYYYY), there is no link.

PLU code should already be defined when they are used in programming here.

MRS = 0

[JOB#2221]

SET PLU PROGRAMMING



XXXXXX: PLU code = 1 ~ 999999
YYYYYY: PLU code = 1 ~ 999999

When the "ST" key is depressed without entering any number in (YYYYYY), no set is assigned.

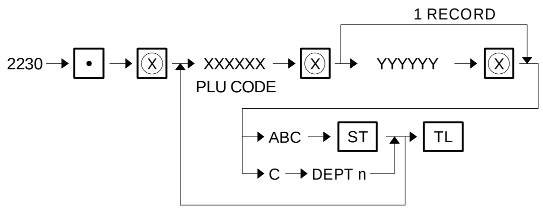
The set PLU code (XXXXXX) can not contain the same PLU code in (YYYYYY).

PLU code must already be defined when it is used in programming here.

MRS = 0

[JOB#2230]

PLU CODE PROGRAMMING (range)



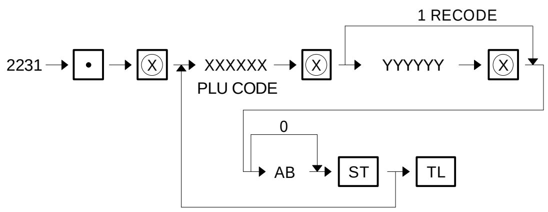
XXXXXX: Start PLU code = 1 ~ 9999
YYYYYY: End PLU code = 1 ~ 9999
AB: Dept. code = 1~99

C:

Amount entry type	C
Inhibited	0
Open	1
Preset	2
Open and preset	3
Delete	4

[JOB#2231]

PLU function programming (RANGE)



XXXXXX: Start PLU code = 1~999999
YYYYYY: End PLU code = 1~999999

A:

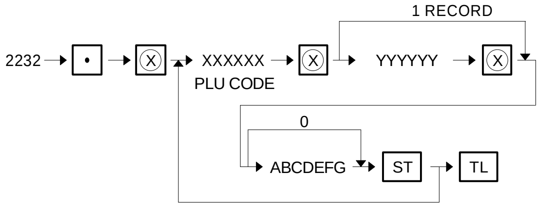
Tare table No.	A
No	0
Table No. 1~9	1~9

B:

Scale entry	B
Inhibit	0
Enable	1
Compulsory	2

[JOB#2232]

PLU TAX STATUS PROGRAMMING (RANGE)



XXXXXX: Start PLU code = 1 ~ 999999
YYYYYY: End PLU code = 1 ~ 999999

A:

Sign	A
+	0
–	1

B:

Taxable 6	B
Non taxable	0
Taxable	1

C:

Taxable 5	C
Non taxable	0
Taxable	1

D:

Taxable 4	D
Non taxable	0
Taxable	1

E:

Taxable 3	E
Non taxable	0
Taxable	1

F:

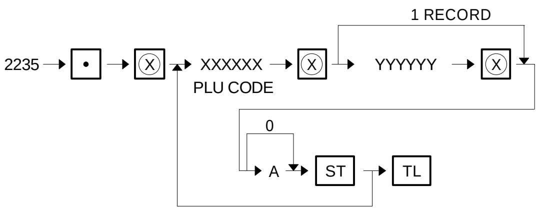
Taxable 2	F
Non taxable	0
Taxable	1

G:

Taxable 1	G
Non taxable	0
Taxable	1

[JOB#2235]

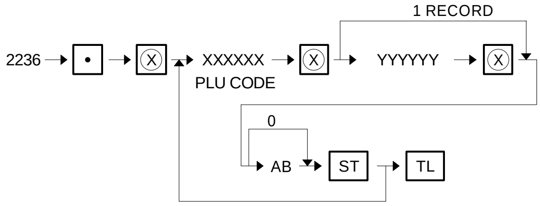
Commission group programming (RANGE)



XXXXXX: Start PLU code = 1~999999
YYYYYY: End PLU code = 1~999999
A: Group No. = 0~3

[JOB#2236]

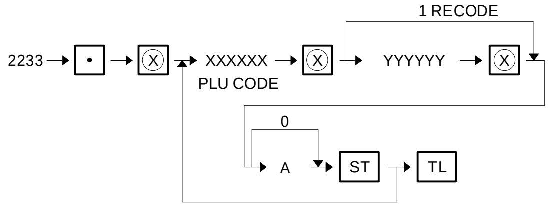
Group programming (RANGE)



XXXXXX: Start PLU code = 1~999999
YYYYYY: End PLU code = 1~999999
A: Group No. = 0~99

[JOB#2233]

PRINT STATION PROGRAMMING (RANGE)



XXXXXX: Start PLU code = 1 ~ 999999
YYYYYY: End PLU code = 1 ~ 999999

A:

KP1 No. of in-line	A
No output	0
KP1 No.	1~9

B:

KP2 No. of in-line	B
No output	0
KP2 No.	1~9

C:

Printing on receipt	C
No	0
Yes	1

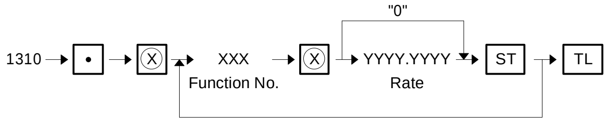
[JOB#2200]

LEAD THROUGH PROGRAMMING FOR PLU

Step No.	Key sequence	Display	Guidance No. (JOB#2644)	Contents
1	2200 → [•] → [X] →	ENTER PLU#	10	
2	→ XXXXXX → [X] →	DEPT & TYPE	11	
3	→ ABC → [ST] → / → C → DEPT n	PRICE	2	JOB#1200
4	→ XXXXXX → [ST] →	PRICE (Lamped P2)	2	JOB#1210
5	→ XXXXXX → [ST] →	BASE Q'TY	12	JOB#1210
6	→ XX → [ST] →	PINT PRICE	16	JOB#1211
7	→ XXXXXX → [ST] →	PINT PRICE (Lamped P2)	16	JOB#1212
8	→ XXXXXX → [ST] →	pint q'ty	17	JOB#1212
9	→ X.X → [ST] →	PROGRAMMING	3	JOB#1213
10	→ XX → [ST] →	SIGN AND TAX	13	JOB#2210
11	→ XXXXXX → [ST] →	(programmed text)		JOB#2211
12	→ (Character) → [ST] →	COMMISSION	7	JOB#2214
13	→ X → [ST] →	GROUP	8	JOB#2215
14	→ XX → [ST] →	PRINT STAT.	9	JOB#2216
15	→ XXX → [ST] →	STOCK	14	JOB#2218
16	→ XXXXXXX → [ST] →	MIN. STOCK	15	JOB#1222
17	→ XXXXXXX → [ST] →	DEPT & TYPE	11	JOB#1223
PLU No. is able to be entered by the operation of "XXXXXX & ".				
18	→ [TL]			
The entry moves the next step by & key and returns the previous step by (key.				

[JOB#1310]

RATE PROGRAMMING



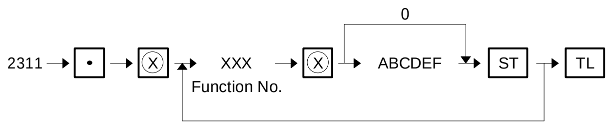
XXX: Fanction No.
YYYY. YYYY: Rate

Function No.	Function	Entry range	Remarks
1	(–)1	0 to 9999.99	(–) unit price
2	(–)2		
3	(–)3		
4	(–)4		
5	%1	0 to 100.00	% rate
6	%2		
7	%3		
8	%4		
68	Exchange 1	0 to 9999.9999	Rate
69	Exchange 2		
70	Exchange 3		
71	Exchange 4		
72	Exchange 5		
73	Exchange 6		
74	Exchange 7		
75	Exchange 8		
76	Exchange 9		
91	Commission 1	0 to 999.99	Rate
92	Commission 2		
93	Commission 3		

MRS = 0

[JOB#2311]

MISC KEY PROGRAMMING 1



XXX : Function No.

Function No.	Function
1	(–)1
2	(–)2
3	(–)3
4	(–)4
5	%1
6	%2
7	%3
8	%4

A:

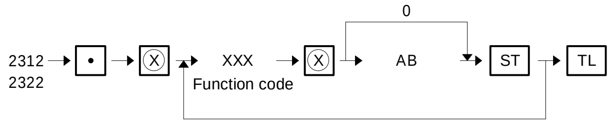
Sign	A
+	0
–	1

B, C, D, E, F: Not used (Fixed at "00000")

MRS = 00000000

[JOB#2312, 2322]

HALO PROGRAMMING



XXX: Function No.
A: Mantissa (0 to 9)
B: Exponent (0 to 8)
$19

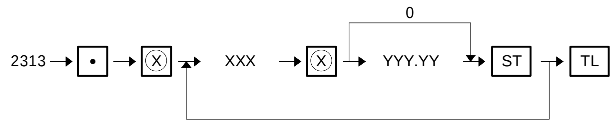
JOB#	Function No.	Function	Remarks
2312	1	(–)1	Item B is specificable within the range from 0 to 8.
	2	(–)2	
	3	(–)3	
	4	(–)4	
	44	RA	Item B is specificable within the range from 0 to 9.
	45	RA2	
	46	PO	
	47	PO2	
	51	DEPOSIT (+)	
	52	DEPOSIT (–)	
	97	CASH TIP	
	98	NON CASH TIP	
2322	53	CASH	Item B is specificable within the range from 0 to 9.
	54	CASH2	
	55	CHECK	
	56	CHECK2	
	57	CHECK3	
	58	CHECK4	
	59	CREDIT1	
	60	CREDIT2	
	61	CREDIT3	
	62	CREDIT4	
	63	CREDIT5	
	64	CREDIT6	
	65	CREDIT7	
	66	CREDIT8	
	67	CHARGE	

Entry range, system: $A \times 10^{B}$

MRS = 18

[JOB#2313]

MISCELLANEOUS KEY PROGRAMMING (% HALO)

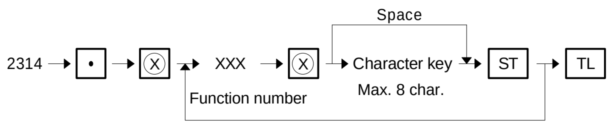


XXX: Function No.
YYY. YY: % HALO

Function No.	Function	Remarks
5	%1	
6	%2	
7	%3	
8	%4	

[JOB#2314]

TEXT PROGRAMMING FOR MISC KEYS



XXX: FUNCTION CODE

Characters can be entered by using character keys or numeric keys. the key entery sequence for entering one character by numeric keys is as follows:

XXX → 00 key XXX: CHARACTER CODE (3DIGITS)

Please refer to section 3
(In the ER-A570, the shaded section ( ) of the TEXT is not used.)

F-NO.	FUNCTION	DEFAULT TEXT
1	(–)1	[~] ′
2	(–)2	[~] ≤
3	(–)3	[~] ⁄
4	(–)4	[~] ∞
5	%1	® ′
6	%2	® ≤
7	%3	® ⁄
8	%4	® ∞
9	MIX & MATCH DISCOUNT	δι σχουντ
10	SET PLU (–)	σετ πλυ–
11	DIFFER	δι φφερ
12	TAXABLE1 ST	ταξ1 στ
13	TAXABLE2 ST	ταξ2 στ
14	TAXABLE3 ST	ταξ3 στ
15	TAXABLE4 ST	ταξ4 στ
16	TAXABLE5 ST	ταξ5 στ
17	TAXABLE6 ST	ταξ6 στ
18	VAT/TAX1	ϖατ 1
19	VAT/TAX2	ϖατ 2
20	VAT/TAX3	ϖατ 3
21	VAT/TAX4	ϖατ 4
22	VAT/TAX5	ϖατ 5
23	VAT/TAX6	ϖατ 6
24	NET1	N E T ′
25	NET2	N E T ≤
26	COUPON PLU	χπ πλυ
27	REFUND	ρεφυνδ
28	VOID	∴
29	VOID MODE	∴ μοδε
30	MANAGER VOID	μγρ.∴
31	SBTL VOID	σβτλ.∴
32	HASH VOID	ηαση.∴
33	HASH REFUND	ηαση ρφ
34	NON TURNOVER SALES VOID	νοτυρν
35	NON TURNOVER SALES RF	νοτυρνρφ
36	VAT SHIFT	ϖατ σφτ
37	VAT/TAX DELETE	ταξ δελε
38	VP COUNTER	ϖπ χντ
39	BILL COUNTER	βιλλ χντ
40	NO SALE	νο σαλε
41	G.C. COUNTER	γ. χ. χντ
42	PBAL	***πβαλ
43	NBAL	***νβαλ
44	RA	***ρα
45	RA2	***ρα2
46	PO	***πο
47	PO2	***πο2
48	SCM (+)	σχμ (+)
49	SCM (–)	σχμ (–)
50	CHECK CASHING	χα/ χηκ
51	DEPOSIT (+)	δεποσι τ
52	DEPOSIT (–)	δεπο. (–)
53	CASH	X αση
54	CASH 2	X αση2
55	CHECK	χηεχκ
56	CHECK2	χηεχκ2
57	CHECK3	χηεχκ3
58	CHECK4	χηεχκ4
59	CREDIT1	χρεδι τ1
60	CREDIT2	χρεδι τ2
61	CREDIT3	χρεδι τ3
62	CREDIT4	χρεδι τ4
63	CREDIT5	χρεδι τ5
64	CREDIT6	χρεδι τ6
65	CREDIT7	χρεδι τ7
66	CREDIT8	χρεδι τ8
67	CHARGE	χηαργε
68	EXCHANGE1	εξχη1
69	EXCHANGE2	εξχη2
70	EXCHANGE3	εξχη3
71	EXCHANGE4	εξχη4
72	EXCHANGE5	εξχη5
73	EXCHANGE6	εξχη6
74	EXCHANGE7	εξχη7
75	EXCHANGE8	εξχη8

F-NO.	FUNCTION	DEFAULT TEXT
76	EXCHANGE9	εξχη9
77	EXCHANGE1 IS	εξχη1 ισ
78	EXCHANGE2 IS	εξχη2 ισ
79	EXCHANGE3 IS	εξχη3 ισ
80	EXCHANGE4 IS	εξχη4 ισ
81	EXCHANGE5 IS	εξχη5 ισ
82	EXCHANGE6 IS	εξχη6 ισ
83	EXCHANGE7 IS	εξχη7 ισ
84	EXCHANGE8 IS	εξχη8 ισ
85	EXCHANGE9 IS	εξχη9 ισ
86	CASH IN DRAWER	****χιδ
87	CASH/CHECK IS	χα/χη ισ
88	CASH/CHECK IN DRAWER	χα/χη ιδ
89	CHECK CHANGE	χηκ/χγ
90	GUEST	γυεστ
91	COMMISSION SALE 1	χομ. σαλ1
92	COMMISSION SALE 2	χομ. σαλ2
93	COMMISSION SALE 3	χομ. σαλ3
94	NON COMMISSION SALE	νον χομ.
95	ORDER TOTAL	ορδερ τλ
96	PAID TOTAL	παιδ τλ
97	CASH TIP	χαση τιπ
98	NON CASH TIP	νοχα τιπ
99	TIP PAID	τιπ παιδ
100	DOMESTIC CURRENCY1	δομ. χυρ1
101	DOMESTIC CURRENCY2	δομ. χυρ2
102	DOMESTIC CURRENCY3	δομ. χυρ3
103	DOMESTIC CURRENCY4	δομ. χυρ4
104	DOMESTIC CURRENCY5	δομ. χυρ5
105	DOMESTIC CURRENCY6	δομ. χυρ6
106	DOMESTIC CURRENCY7	δομ. χυρ7
107	DOMESTIC CURRENCY8	δομ. χυρ8
108	DOMESTIC CURRENCY9	δομ. χυρ9
109	NON TURNOVER TOTAL 1	*ντ τλ1
110	NON TURNOVER TOTAL 2	*ντ τλ2
111	NON TURNOVER TOTAL 3	*ντ τλ3
112	CHECK IN DRAWER	*χη ιδ
113	(+) DEPT TOTAL	*δεπτ τλ
114	(–) DEPT TOTAL	δεπτ(–)
115	BOTTLE (+) TOTAL	*βττλ τλ
116	BOTTLE (–) TOTAL	βττλ(–)
117	HASH (+) TOTAL	*ηαση (–)
118	HASH (–) DPT TOTAL	ηαση(–)
119	NET1 (TAXABLE1 – VAT1)	νετ 1
120	NET2 (TAXABLE2 – VAT2)	νετ 2
121	NET3 (TAXABLE3 – VAT3)	νετ 3
122	NET4 (TAXABLE4 – VAT4)	νετ 4
123	NET5 (TAXABLE5 – VAT5)	νετ 5
124	NET6 (TAXABLE6 – VAT6)	νετ 6
125	SUBTOTAL	συβτοταλ
126	MDS SBTL	μδσε στ

F-NO.	FUNCTION	DEFAULT TEXT
127	TOTAL	***τοταλ
128	DIFFER ST	διφφ στ
129	NON-TURNOVER	νον–τυρν
130	CHANGE	χηανγε
131	CHECK PRINT	χηεχκ πρ
132	DUE	δυε
133	TIP DUE	τιπ δυε
134	BALANCE	βαλανχε
135	ITEMS	ιτεμσ
136	PLU ST	πλυ στ
137	COPY RCPT TITLE	Χ Ο Π Ψ
138	G.C. COPY TITLE	γ. χ χοπψ
139	B.T. TITLE	Β ↔Τ ↔
140	B.S. TITLE	Β ↔Σ ↔
141	BILL ON RECEIPT TITLE	Β Ι Λ Λ
142	SLIP PRINT MESSAGE	σλιπ πρ.
143	SLIP NEXT PAGE	νεξτ π.
144	AVERAGE	αϖε.
145	GROUP1	Γ ρουπ01
146	GROUP2	Γ ρουπ02
147	GROUP3	Γ ρουπ03
148	GROUP4	Γ ρουπ04
149	GROUP5	Γ ρουπ05
150	GROUP6	Γ ρουπ06
151	GROUP7	Γ ρουπ07
152	GROUP8	Γ ρουπ08
153	GROUP9	Γ ρουπ09
154	SECOND PRICE	2νδ πριχ
155	CCD	Χ Χ Δ
156	CCD DIFFER	χχδ διφ.
157	CCD DIFFER TOTAL	διφ. τλ
158	ORDER TL-PAID TL	Ο ~ Π
159	COMMISSION AMOUNT1	χομ. αμτ1
160	COMMISSION AMOUNT2	χομ. αμτ2
161	COMMISSION AMOUNT3	χομ. αμτ3
162	COMMISSION AMOUNT TOTAL	χομ. ττλ
163	OLD BALANCE	ολδ βαλ.
164	NEW BALANCE	βαλανχε
165	SCM TOTAL	σχμ ττλ
166	TURNOVER PER TABLE	τ. ταβλε
167	TURNOVER PER GUEST	τ. γυεστ
168	TURNOVER PER BILL	τ. βιλλ
169	ITEM PER GUEST	ι. γυεστ
170	ITEM PER BILL	ι. βιλλ
171	AVE. PRICE PER ITEM	αϖε. ιτεμ
172	DEPT. REPO. TITLE	Δ Ε Π Τ
173	GROUP REPO.	γρουπ
174	PLU REPO TITLE	Π Λ Υ
175	SET PLU REPO. TITLE	σετ πλυ
176	STOCK REPO. TITLE	στοχκ
177	EAN REPO. TITLE	Ε Α Ν

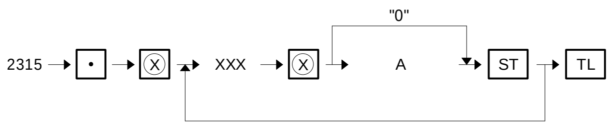
F-NO.	FUNCTION	DEFAULT TEXT
178	TRANS. REPO. TITLE	τρανσ.
179	CID REPO. TITLE	τλ–ι δ
180	COM. SALES REPO. TITLE	σαλεσ
181	VAT/TAX REPORT TITLE	ϖατ/ ταξ
182	CHIEF REPO. TITLE	χηι εφ
183	CLERK REPO. TITLE	χλερκ
184	CASHIER REPO. TITLE	χασηι ερ
185	HOURLY REPO. TITLE	ηουρλψ
186	DAILY NET REPO. TITLE	δαι λψ
187	GLU/PBLU REPORT TITLE	Γ Λ Υ
188	BALANCE REPORT TITLE	βαλανχε
189	ZERO SALES REPO.	ζερο σαλ
190	MINIMUM STOCK TITLE	μι νστοχκ
191	CUSTOMER REPO. TITLE	χυστομερ
192	NON-ACCESSED CUSTOMER REPORT TITLE	νοτ ωρκ
193	CHARGE OF CUSTOMER REPORT TITLE	χηαργε
194	DEDUCTION	δεδυχτ.
195	TOTAL TAX	ττλ ταξ
196	NET WITHOUT TAX	Ν Ε Τ
197	CASH TRANSFER	τρανσφερ
198	GLU TEXT	Γ Λ Υ #
199	PINT SALE	πι ντ σαλ
200	NEW CODE	νεω χοδε
201	PRICE CHANGE	πρ χηνγ
202	REMAINED CHARGE	χηαργε
203	TOWN NAME1	τοωνναμε
204	TOWN NAME2	τοωνναμε
205	TARE WEIGHT	ταρε ωτ.
206	GROUP01 for PLU	γρουπ01
207	GROUP02 for PLU	γρουπ02
208	GROUP03 for PLU	γρουπ03
209	GROUP04 for PLU	γρουπ04
210	GROUP05 for PLU	γρουπ05
211	GROUP06 for PLU	γρουπ06
212	GROUP07 for PLU	γρουπ07
213	GROUP08 for PLU	γρουπ08
214	GROUP09 for PLU	γρουπ09
215	GROUP10 for PLU	γρουπ10
216	GROUP11 for PLU	γρουπ11
217	GROUP12 for PLU	γρουπ12
218	GROUP13 for PLU	γρουπ13
219	GROUP14 for PLU	γρουπ14
220	GROUP15 for PLU	γρουπ15
221	GROUP16 for PLU	γρουπ16
222	GROUP17 for PLU	γρουπ17
223	GROUP18 for PLU	γρουπ18
224	GROUP19 for PLU	γρουπ19
225	GROUP20 for PLU	γρουπ20
226	GROUP21 for PLU	γρουπ21
227	GROUP22 for PLU	γρουπ22

F-NO.	FUNCTION	DEFAULT TEXT
228	GROUP23 for PLU	γρουπ23
229	GROUP24 for PLU	γρουπ24
230	GROUP25 for PLU)	γρουπ25
231	GROUP26 for PLU	γρουπ26
232	GROUP27 for PLU	γρουπ27
233	GROUP28 for PLU	γρουπ28
234	GROUP29 for PLU	γρουπ29
235	GROUP30 for PLU	γρουπ30
236	GROUP31 for PLU	γρουπ31
237	GROUP32 for PLU	γρουπ32
238	GROUP33 for PLU	γρουπ33
239	GROUP34 for PLU	γρουπ34
240	GROUP35 for PLU	γρουπ35
241	GROUP36 for PLU	γρουπ36
242	GROUP37 for PLU	γρουπ37
243	GROUP38 for PLU	γρουπ38
244	GROUP39 for PLU	γρουπ39
245	GROUP40 for PLU	γρουπ40
246	GROUP41 for PLU	γρουπ41
247	GROUP42 for PLU	γρουπ42
248	GROUP43 for PLU	γρουπ43
249	GROUP44 for PLU	γρουπ44
250	GROUP45 for PLU	γρουπ45
251	GROUP46 for PLU	γρουπ46
252	GROUP47 for PLU	γρουπ47
253	GROUP48 for PLU	γρουπ48
254	GROUP49 for PLU	γρουπ49
255	GROUP50 for PLU	γρουπ50
256	GROUP51 for PLU	γρουπ51
257	GROUP52 for PLU	γρουπ52
258	GROUP53 for PLU	γρουπ53
259	GROUP54 for PLU	γρουπ54
260	GROUP55 for PLU	γρουπ55
261	GROUP56 for PLU	γρουπ56
262	GROUP57 for PLU)	γρουπ57
263	GROUP58 for PLU)	γρουπ58
264	GROUP59 for PLU)	γρουπ59
265	GROUP60 for PLU	γρουπ60
266	GROUP61 for PLU)	γρουπ61
267	GROUP62 for PLU)	γρουπ62
268	GROUP63 for PLU	γρουπ63
269	GROUP64 for PLU)	γρουπ64
270	GROUP65 for PLU)	γρουπ65
271	GROUP66 for PLU	γρουπ66
272	GROUP67 for PLU	γρουπ67
273	GROUP68 for PLU)	γρουπ68
274	GROUP69 for PLU)	γρουπ69
275	GROUP70 for PLU	γρουπ70
276	GROUP71 for PLU	γρουπ71
277	GROUP72 for PLU	γρουπ72
278	GROUP73 for PLU	γρουπ73

F-NO.	FUNCTION	DEFAULT TEXT
279	GROUP74 for PLU	γρουπ74
280	GROUP75 for PLU	γρουπ75
281	GROUP76 for PLU	γρουπ76
282	GROUP77 for PLU	γρουπ77
283	GROUP78 for PLU	γρουπ78
284	GROUP79 for PLU	γρουπ79
285	GROUP80 for PLU	γρουπ80
286	GROUP81 for PLU	γρουπ81
287	GROUP82 for PLU	γρουπ82
288	GROUP83 for PLU	γρουπ83
289	GROUP84 for PLU	γρουπ84
290	GROUP85 for PLU	γρουπ85
291	GROUP86 for PLU	γρουπ86
292	GROUP87 for PLU	γρουπ87
293	GROUP88 for PLU	γρουπ88
294	GROUP89 for PLU	γρουπ89
295	GROUP90 for PLU	γρουπ90
296	GROUP91 for PLU	γρουπ91
297	GROUP92 for PLU	γρουπ92
298	GROUP93 for PLU	γρουπ93
299	GROUP94 for PLU	γρουπ94
300	GROUP95 for PLU	γρουπ95
301	GROUP96 for PLU	γρουπ96
302	GROUP97 for PLU	γρουπ97
303	GROUP98 for PLU	γρουπ98
304	GROUP99 for PLU	γρουπ99

[JOB#2315]

MISC KEY PROGRAMMING (%)



XXX: Function No.

A:

% type	A
Subtotal %	0
Item %	1
RA %	2

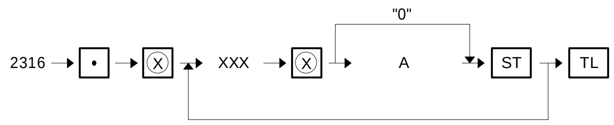
MRS. 0

Function No.	Function	Remarks
5	%1	
6	%2	
7	%3	
8	%4	

MRS = 0

[JOB#2316]

MISC KEY PROGRAMMING (∃)



XXX: Function No.

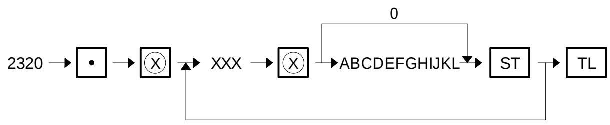
A:

∃ type	A
Subtotal ∃	0
Item ∃	1
RA ∃	2

Function No.	Function	Remarks
1	(—) 1	
2	(—) 2	
3	(—) 3	
4	(—) 4	

[JOB#2320]

MEDIA KEY PROGRAMMING



XXX: Function No.

Function No.	Function	A	B	C	D	E	F	G	H	I	J	K	L
53	CASH	×	|	|	|	×	|	|	|	|	|	|	|
54	CASH2	×	|	|	|	×	|	|	|	|	|	|	|
55	CHECK	|	|	|	|	|	|	|	|	|	|	|	|
56	CHECK2	|	|	|	|	|	|	|	|	|	|	|	|
57	CHECK3	|	|	|	|	|	|	|	|	|	|	|	|
58	CHECK4	|	|	|	|	|	|	|	|	|	|	|	|
59	CREDIT1	|	|	|	|	|	|	|	|	|	|	|	|
60	CREDIT2	|	|	|	|	|	|	|	|	|	|	|	|
61	CREDIT3	|	|	|	|	|	|	|	|	|	|	|	|
62	CREDIT4	|	|	|	|	|	|	|	|	|	|	|	|
63	CREDIT5	|	|	|	|	|	|	|	|	|	|	|	|
64	CREDIT6	|	|	|	|	|	|	|	|	|	|	|	|
65	CREDIT7	|	|	|	|	|	|	|	|	|	|	|	|
66	CREDIT8	|	|	|	|	|	|	|	|	|	|	|	|
67	CHARGE	|	|	|	|	|	|	|	|	|	|	|	|

∗ Items marked with on (Φ) are programmable.

A:

EFT function	A
Non compulsory	0
Compulsory	1

B:

Slip print	B
Non compulsory	0
Compulsory	1

C:

Footer print	C
No	0
Yes	1

D:

Non add code entry	D
Non compulsory	0
Compulsory	1

E:

Charge due	E
Enable	0
Disable	1

F:

Validation print	F
Non compulsory	0
Compulsory	1

G, H, I, J: Not used (Fixed at "0000")

K:

Drawer opening	K
Yes	0
No	1

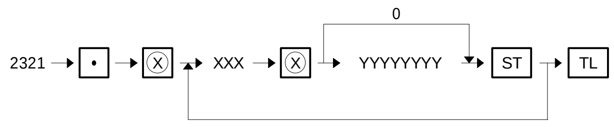
L:

Entry of amount tendered	L
Non compulsory (Cash, Check, Charge) Inhibit (Credit)	0
Compulsory	1

MRS = 000000000000

[JOB#2321]

MEDIA KEY FUNCTION PROGRAM (AMOUNT HALO)

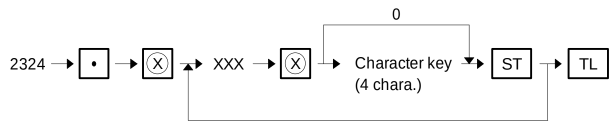


XXX: Function No.
YYYYYYYYY: Limitation amount

Func. No.	Function	Entry range	MRS
86	CID (Sentinel)	0 to 9999999.99	9999999.99
89	CHK CHANGE	0 to 9999999.99	999999.99
88	CA/CHK	0 to 9999999.99	999999.99

[JOB#2324]

Currency descripter for Euro check



XXX: Function code

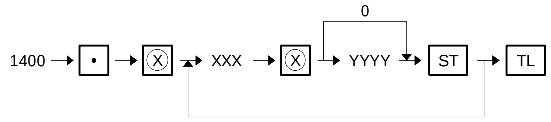
Function No.	Function	Remarks
55	Check	For Euro check
68	Exchange1	
69	Exchange2	
70	Exchange3	
71	Exchange4	
72	Exchange5	
73	Exchange6	
74	Exchange7	
75	Exchange8	
76	Exchange9	

Characters can be entered by using character keys or numeric keys. the key entery sequence for entering one character by numeric keys is as follows:
XXX → 00 key XXX: CHARACTER CODE (3DIGITS)
Please refer to section 3

MRS = "SPACE"

[JOB#1400]

CLERK CODE DIFINITION

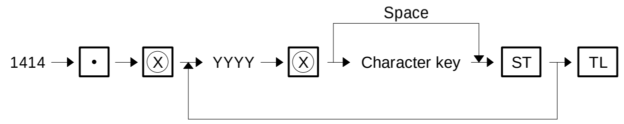


XXX: Clerk No.= 1 ~ 255
YYYY: Clerk code = 0000 ~ 9999

MRS = 0001;1, 0002;2, 0003;3, 0004;4, 0005;5, 0006, 6

[JOB#1414]

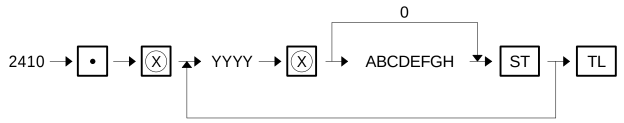
CLERK NAME PROGRAMMING



YYYY: Clerk code = 0001 ~ 9999
Characters can be entered by using character keys or numeric keys. The key entry sequence for entering one character by numeric keys is as follows:
XXX → 00 KEY XXX: Character code (3 digits)
Please refer to section 3.
Max. 8 characters
Mrs = 'Clerk00X' X = 1 ~ 6

[JOB#2410]

CLERK PROGRAMMING



YYYY: Clerk code = 0001~9999
A, B, C, D: Not used (Fixed at "0000")

E:

VAT shift	E
Not	0
State	1

F:

Price level	F
Price1	0
Price2	1

G: Not used (Fixed at "0")

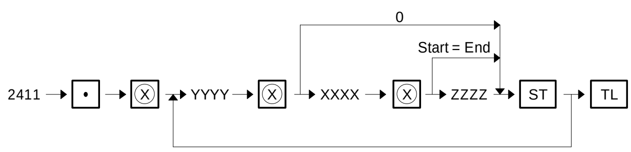
H:

Drawer No.	, H
Not open	, 0
Drawer No.	, 1~4

MRS = 000001

[JOB#2411]

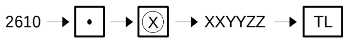
CLERK TABLE NO. (GLU/PBLU) LINK



YYYY: Clerk code = 0001 ~ 9999
XXXX: Start code = 1 ~ 9999
ZZZZ: End code = 1 ~ 9999

[JOB#2610]

DATE SETTING



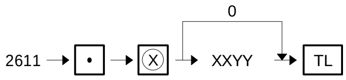
XXYYZZ: Date (Year-Month-Day/Day-Month-Year/Month-Day-Year)

* The date entry format complies with the applicable SRV-mode programming.

MRS = 010100

[JOB#2611]

TIME SETTING

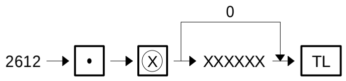


XX: Hour (00 ~ 23)
YY: Minute (00 ~ 59)

MRS = 0

[JOB#2612]

MACHINE NUMBER SETTING

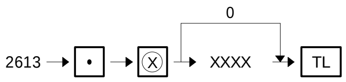


XXXXXX: Machine number (0 ~ 999999)

MRS = 0

[JOB#2613]

CONSECUTIVE NUMBER SETTING

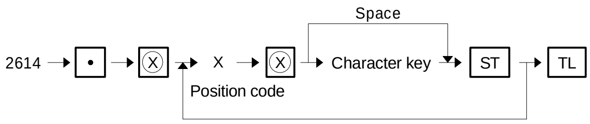


XXXX: Consecutive number (0000 ~ 9999)

MRS = 0000

[JOB#2614]

LOGO TEXT PROGRAMMING



X: 1 ~ 6		
	1	(21 char.)
	2	(21 char.)
	3	(21 char.)
	4	(21 char.)
	5	(21 char.)
	6	(21 char.)

Character can be entered by using character keys or numeric keys. The key entry sequence for entering one character by numeric keys is as follows:

XXX → 00 Key   XXX: Character code (3 digits)

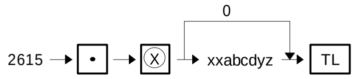
Please refer to section 3.

MRS =

SHARP
IS
THE BEST
YOUR
RECEIPT
THANK YOU

[JOB#2615]

Programming of the limits to initial slip feed line, No. of times of slip printing, TRY ST feed line and No. of times of validation printing.



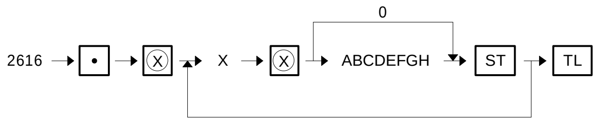
XX:	Minimum length for bill on receipt	= 0 ~ 30
a, b:	Initial slip feed line	= 0 ~ 64
c, d:	Slip print max line No.	= 0 ~ 99
Y:	No. of times of validation printing	= 0 ~ 9
Z:	Not used (Fixed at "0")	

It can be programmed in the SRV mode whether or not to validate the limits to slip initial feed, the No. of times of slip printing, and number of times of validation printing.

MRS = 009910

[JOB#2616]

OPTIONAL FEATURE



X: 1   MRS = 00000000

A:

OP X/Z report	A
Enable	0
Disable	1

B:

PO operation in REG mode	B
Enable	0
Disable	1

C: Not used (Fixed at "0")

D:

"RF" key entry in REG mode	D
Enable	0
Disable	1

E:

Direct void function in REG mode	E
Enable	0
Disable	1

F:

In direct void in REG mode	F
Enable	0
Disable	1

G:

Subtotal void in REG mode	G
Enable	0
Disable	1

H:

Refund VP	H
Non compulsory	0
Compulsory	1

X: 2 MRS = 00000000

A:

The first last item void	A
Enable	0
Disable	1

B:

PLU level shift system	B
Auto	0
Manual	1

C:

PLU level shift system	C
MGR & REG mode	0
MGR mode	1

D:

Printing of the number of purchases	D
No	0
Yes	1

E:

Time print	E
Yes	0
No	1

F:

Printing of journal	F
Full print	0
Journal select	1

G:

Item VP	G
Enable	0
Disable	1

H:

(–) VP	H
Non compulsory	0
Compulsory	1

X: 3

A: Not used (Fixed at "0")

B:

Zero skip in Clerk report	B
Yes	0
No	1

C: Not used (Fixed at "0")

D:

Zero skip in Transaction report	D
Yes	0
No	1

E:

Zero skip in Dept. report	E
Yes	0
No	1

F:

Zero skip in PLU report	F
Yes	0
No	1

G:

Zero skip in Hourly report	G
Yes	0
No	1

H:

Zero skip in Daily net report	H
Yes	0
No	1

X: 4 MRS = 00000000

A, B: Not used (Fixed at "00")

C:

Vat/Tax amount printing on R/J	C
Yes	0
No	1

D:

Taxable amount printing on R/J	D
Yes	0
No	1

E:

Net amount printing on R/J	E
Yes	0
No	1

F, G: Not used (Fixed at "00")

H:

When PLU level system is "Auto" (X:2 B = 0), PLU level returns method	H
By one item	0
By one receipt	1

X: 5 MRS = 00010000

A, B, C: Not used (fixed at "000")

D:

VAT shift system	D
By Clerk	0
By shift key	1

E:

PLU price shift system	E
By shift key	0
By Clerk	1

F:

PLU price shift system	F
MGR & REG mode	0
MGR mode	1

G:

PLU price shift system	G
Auto	0
Manual	1

H:

When PLU price shift system is "Auto" (X:5 G = 0), PLU price returns method	H
By one item	0
By one receipt	1

X: 6 MRS = 00000000

A:

Vat/Tax amount printing on bill	A
Yes	0
No	1

B:

Taxable amount printing on bill	B
Yes	0
No	1

C:

Net amount printing on bill	C
Yes	0
No	1

D:

Time printing on bill	D
Yes	0
No	1

E:

Bill printing on slip	E
Yes	0
No	1

F:

Bill printing on receipt	F
Yes	0
No	1

G, H: Not used (Fixed at "00")

X: 7 NOT USED MRS = 00000000

X: 8 MRS = 00000000

A: Not used (Fixed at "0")

B:

Non turnover including VAT	B
No	0
Yes	1

C, D, E, F, G, H: Not used (Fixed at "000000")

X: 9 NOT USED MRS = 00000000

X: 10 MRS = 01000000

A: Not used (Fixed at "0")

B:

Action shift key	B
Shift	0
Caps Lock	1

C, D, E, F, G, H: Not used (Fixed at "000000")

X: 11 NOT USED MRS = 10001000

X: 12 NOT USED MRS = 00000011

X: 13 MRS = 00000000

A:

Credit totalizer update if RA/PO finalized by Credit key	A
No	0
Yes	1

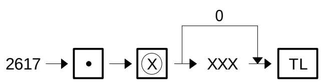
B:

Separator line in report	B
1 line	0
Separator line	1

C, D, E, F, G, H: Not used (Fixed at "000000")

[JOB#2617]

PROGRAMMING OF THE TIME INTERVAL FOR DRAWER ALARM

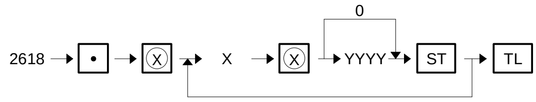


XXX: 0 ~ 255 sec

MRS = 000

[JOB#2618]

Scale table programming



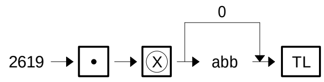
X: Table No. = 1~9

YYYY: Weight = 0~99.99

MRS = 00.00

[JOB#2619]

HOURLY REPORT (Starting time)



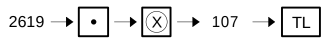
a:

Memory format	A
30 minuits (24 hour)	0
15 minuits (12 hour)	1

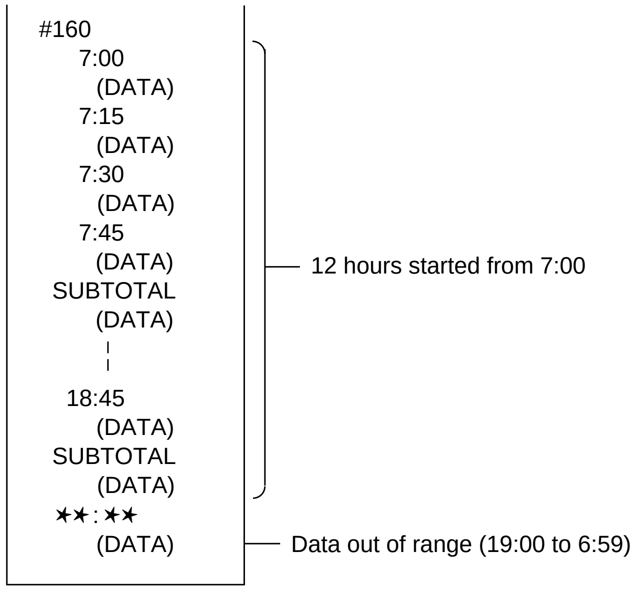
bb: Starting time (hour): 00 ~ 23

ex)

Case 1.



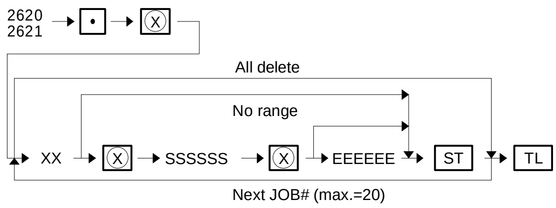
X1 Hourly report (#160) (15 min, start time = 7]



[JOB#2620, 2621]

STACK REPORT 1 and 2

JOB#2620: STACK REPORT 1
JOB#2621: STACK REPORT 2



XX: JOB#
SSSSSS: Start code
EEEEEE: End code

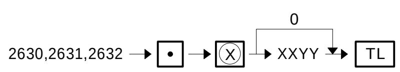
JOB#	REPORT NAME	TYPE
00	General	
10	DEPT./GROUP	
13	DEPT. All group	
20	PLU	RANGE
23	PLU group total	
24	PLU stock	RANGE
27	PLU zero sales	
28	PLU minimum stock	RANGE
30	Transaction	
31	CID	
32	Commission sale	
33	Tax	
34	Chiff	
40	All clerk	
60	Hourly	RANGE (only X report)
70	Daily net	
80	GLU	RANGE
82	Balance	

[* *]
Max. 70 step are programmable. "1 step" means the memory size used for one no range type JOB#.
The RANGE-1 type JOB# means "8 steps".
The RANGE-2 type JOB# means "16 steps".
The range type JOB# means "8 steps".

For example)
The memory size for programming JOB#00, 20 and 50 is 10 steps. (ie. 1 step for JOB#00, 8 step for JOB#20, and 1 step for JOB#50.)

[JOB#2630, 2631, 2632]

SECRET CODE PROGRAMMING



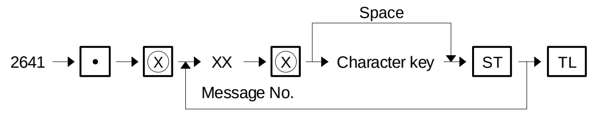
#2630: PGM1 mode
#2631: X1/Z1 mode
#2632: X2/Z2 mode

* If "0" is entered, "compulsory secret code entry" is canceled.

MRS = 0

[JOB#2641]

MESSAGE TEXT PROGRAMMING



X: Message No. = 1~50
(In the ER-A570, the shaded section ( ) of the MESSAGE is not used.)

Message No.	Description	MRS
1	Registration error	ENTRY ERROR
2	Misoperation error	MISOPERATION
3	Desired code is not programmed yet.	NO RECORD
4	Paper empty	PAPER EMPTY
5	Secret code error	SECRET CODE
6	Code is not free	NOT FREE
7	Memory is full	MEMORY FULL
8	Insert slip paper	INSERT SLIP
9	The clerk has enterd a code for which he or she is not authorized.	NO AUTHORITY
10	(reserved)	
11	Compulsory of pushing the SBTL key	SBTL COMPUL.
12	Compulsory of tendering	TEND COMPUL.
13	Compulsory of PB entry	PB COMPUL.
14	Compulsory of SCM entry	SCM COMPUL.
15	Compulsory of guest# entry	GUEST COMPUL
16	(reserved)	
17	IRC non reset error	NON RESET
18	Retry message	RETRY ?
19	After Z1 report	ENTRY ERR Z
20	KP off line	OFF LINE
21	KP motor lock	MOTOR LOCK
22	Overlaped clerk error	CLK ERROR
23	Cashier resetting over error	ENTRY ERR CA
24	Clerk reseting over error	ENTRY ERR CK
25	Set slip paper again	SLIP SET
26	File type error	TYPE ERROR
27	Power off	POWER OFF
28	In line busy	IRC BUSY
29	In line error	IRC ERROR
30	Tendering compulsory error for tip	TIP ERROR
31	(reserved)	
32	The clerk key is not pushed or inserted.	NOT ASSIGNED
33	The clerk key is changed in the transaction.	NOT CHANGE
34	Overflow limitation	OVER LIMIT.
35	The open price entry is inhibited.	INH. OPEN PR
36	The unit price entry is inhibited.	INH. UNIT PR
37	The direct non-tendering finalization after previous tender entry is inhibited.	NOT NON-TEND
38	Read error of Scale	SCALE ERROR

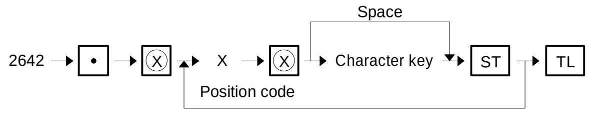
Message No.	Description	MRS
39	Power-off duaring VP of Euro/French check and Slip paper feed	P-OFF IN VP
40	KP buffer full	BUFFER FULL
41	KP hard error	HARD ERROR
42	Open store	OPEN STORE
43	Close store	CLOSE STORE
44	Sending of Z data	SENDING
45	Sign on	SIGN ON
46	Master down	MASTER DOWN
47	Back up master down	BACKUP DOWN
48	Guidance for check# entry	CHECK#
49	(reserved)	
50	(reserved)	
51	Weight on scale	WEIGHT
52	(reserved)	
53	(reserved)	
54	Entry tare weight	ENTR TARE WT
55	(reserved)	
56	(reserved)	
57	(reserved)	
58	(reserved)	
59	(reserved)	
60	T-LOG buffer not empty	T.LOG REMAIN
61	Desired code is not programmed yet. It is used in Learning function.	NO RECORD
62	Entry of Price and Dept No. (For Learning function)	PRICE → DEPT
63	Entry of Price and Dept No. (For Price change function)	PRICE & DEPT
64	Entry of Department No.	DEPT #
65	Entry of NameNAME	NAME
66	Entry of AddressADDRESS	ADDRESS
67	REG Buffer full	BUFFER FULL
68	T. log Full	T.LOG FULL
69	(reserved)	
70	Price entry at EAN refund	ENTER PRICE
71	EAN file is full	EAN FULL
72	EFT ERROR	EFT ERROR
73	EFT BREAK	EFT BREAK
74	Delete not-worked EAN file	N/W EAN DEL.
75	Delete not-worked Customer file	N/W CST DEL.

Amessage is 12 characters

Characters can be entered by using character keys or numeric keys. the key entery sequence for entering one character by numeric keys is as follows:
XXX → 00 key   XXX: Character code (3 digits)
Please refer to section 3

[JOB#2642]

VP TEXT PROGRAMMING



X: Position code = 1 to 3

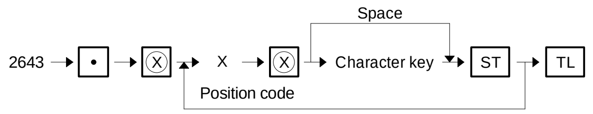
Characters can be entered by using character keys or numeric keys. the key entery sequence for entering one character by numeric keys is as follows:
XXX → 00 key   XXX: Character code (3 digits)
Please refer to section 3

1 Block max. 21 characters

MRS = "   "
"   "
"FOR DEPOSIT ONLY   "

[JOB#2643]

SLIP TEXT PROGRAMMING



X: Position code = 1 to 3

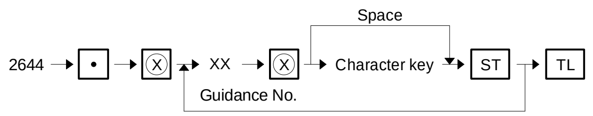
Characters can be entered by using character keys or numeric keys. the key entery sequence for entering one character by numeric keys is as follows:
XXX → 00 key   XXX: Character code (3 digits)
Please refer to section 3

1 Block max. 21 characters

MRS = "Space"
"Space"
"Space"

[JOB#2644]

GUIDANCE TEXT PROGRAMMING FOR LEAD THROUGH PROGRAMMING



XX: Guidance No. = 1~13

Characters can be entered by using character keys or numeric keys. the key entery sequence for entering one character by numeric keys is as follows:
XXX → 00 key   XXX: Character code (3 digits)
Please refer to section 3

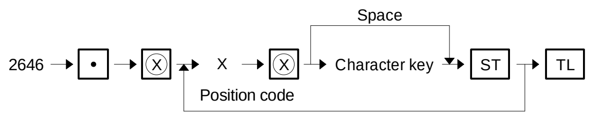
1 text max. 12 characters

Guidance No.	MRS
1	ENTER DEPT#
2	PRICE
3	PROGRAMMING
4	TAX
5	HALO
6	TEXT
7	COMMISSION
8	GROUP
9	PRINT STAT.

Guidance No.	MRS
10	ENTER PLU#
11	DEPT & TYPE
12	BASE Q'TY
13	SIGN AND TAX
14	STOCK
15	MIN. STOCK
16	PINT PRICE
17	PINT Q'TY
18	ENTER EAN#
19	CUSTOM. CODE
20	NAME
21	ADDRESS

[JOB#2646]

PAYEE NAME FOR ENGLISH CHECK PROGRAMMING



X: Position code = 1 to 2

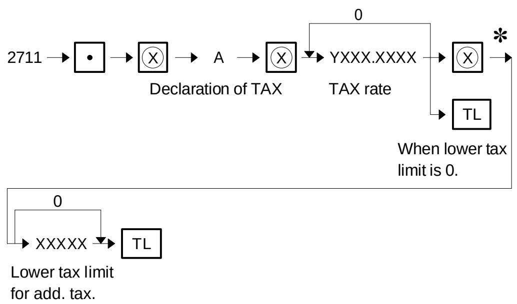
Characters can be entered by using character keys or numeric keys. the key entery sequence for entering one character by numeric keys is as follows:
XXX → 00 key XXX: Character code (3 digits)
Please refer to section 3

1 Block max. 21 characters

MRS = " "
" "

[JOB#2711]

TAX RATE PROGRAMMING



* DEPRESSION OF THE ST KEY AT FOLLOWING POINTS PERFORM A TAX TABLE DELETE OPERATION.

A:

Tax programming	A
Tax1	1
Tax2	2
Tax3	3
Tax4	4
Tax5	5
Tax6	6

Y:

Sign	y
+	0
–	1

xxx.xxxx: Rate = 0.0000~100.0000%
LOWER TAX LIMITATION max. 999.99
(This is invalid in VAT system.)

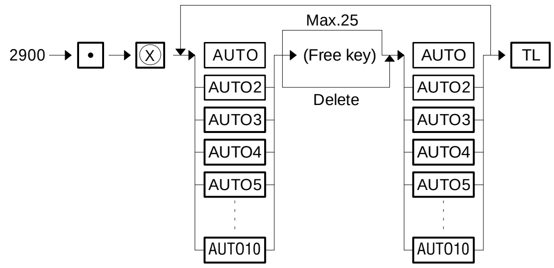
MRS = 0

[JOB#2900]

<CAUTION>

(This JOB must be performed at X2/Z2 mode position.)

AUTO KEY SETTING



(Auto key function)

- This machine has [AUTO] key which can be programmed by the following key-sequence.
- When [AUTO] key is depressed, the machine works the same as the programmed key-sequence programed.

<Example>
Mode switch
⇓
(X2/Z2)

2900 → • → X → AUTO → PLU1 → 100 → DEPT2 → AUTO → TL

(REG)

Key entry	R/J	Display	Comment
AUTO	PL000001 *1.10	PL0000001 1.10	same as PLU1 entry
		1	same as 1 entry
		10	same as 0 entry
		100	same as 0 entry
	PL000001 *1.00	DEPT02 1.10	same as DEPT2 entry

(X2/Z2)

2900 → • → X → AUTO → PLU1 → 100 → DEPT2 → AUTO → TL

(REG)

Key entry	R/J	Display	Comment
DEPT 1	DEPT01 *1.00	DEPT01 1.10	
AUTO 2			
		1	same as 1 entry
		10	same as 0 entry
		100	same as 0 entry
	***TOTAL *1.00	CHANGE 1.10	same as TL entry
	CASH *1.00		
	CHANGE *0.00		

3. Character assignment method

The ER-A570 has two kinds of method at character assignment.
One is to use alphabetic assigned key and other one is to use ten keys.

~ Using alphabetic assignment method ~

→ [ⓧ] → Push alphabetic → [ST]
(Repeat)

Programming key layout (ER-A570)

1 Normal character

↑ RECEIPT	↑ JOURNAL	(INSERT)	â	ê	è	é	î	ì	í	ô	ò	ó	û	ù	ú
Γ	π	(DELETE)	à	∞	Æ	Ø	Å	Ñ	Ç	¤	Pt	£	[	]	
(SLIP)	Σ	(INQ)	á	∞	|	!!	←	←	◀	▶	↑	↓	_	¿	?
Θ	ϒ	(#)	{	}	”	@	¨	’	‘	<	>	^	=	+	(BACK SPACE)
Λ	Φ	1/2	(DC)	¡	!	“	§	$	%	7	&	(	)	✶	#
Ξ	Ψ	⊗	•	CL	1	2	3	4	5	6	7	8	9	0	ß
1	Ω	7	8	9	Q	W	E	R	T	Y	U	I	O	P	Ü
2	Δ	4	5	6	A	S	D	F	G	H	J	K	L	Ö	Ä
3		1	2	3	(←)	Z	X	C	V	B	N	M	;	:	/
4		0	00	000	(→)	ST	TL	(SPACE)	(SPACE)	(SPACE)	(SPACE)	(SHIFT)	,	.	—

~ Using ten key ~

→ [ⓧ] → XXX → [00] → [ST]
3 digits
(Repeat)

Note: [00] key is used to enter each 3 digit alpha code.

CODE TABLE FOR ALPHA DESCRIPTOR PROGRAMMING

CODE	CHARACTER	CODE	CHARACTER	CODE	CHARACTER	CODE	CHARACTER
001	á	051	3	101	e	151	Å
002	â	052	4	102	f	152	O̲̅
003	ê	053	5	103	g	153	é
004	î	054	6	104	h	154	è
005	ì	055	7	105	i	155	Pt
006	l1	056	8	106	j	156	¡
007	ô	057	9	107	k	157	Ñ
008	ó	058	:	108	l	158	Ò
009	û	059	;	109	m	159	£
010	ú	060	<	110	n	160	¥
011	œ	061	=	111	o	161	◦
012	ü	062	>	112	p	162	⌈
013	ú	063	?	113	q	163	⌋
014	ö	064	@	114	r	164	\
015	ó	065	A	115	s	165	•
016	∧	066	B	116	t	166	
017	Ψ	067	C	117	u	167	
018	Γ	068	D	118	v	168	
019	• •	069	E	119	w	169	
020	Ω	070	F	120	x	170	
021	Δ	071	G	121	y	171	
022	Θ	072	H	122	z	172	
023	Ξ	073	I	123	{	173	
024	π	074	J	124	|	174	
025	Σ	075	K	125	}	175	
026	ϒ	076	L	126	β	176	⊟
027	Φ	077	M	127	c	177	Á
028	Ü	078	N	128	!!	178	Í
029	Ú	079	O	129	1		
030	Ö	080	P	130	2	192	♠
031	Ó	081	Q	131	3	193	→
032		082	R	132	4	194	↔
033	!	083	S	133	½	195	←
034	"	084	T	134	FT	224	*
035	#	085	U	135	←	225	↑
036	$	086	V	136	→	226	ø
037	%	087	W	137	→	227	^
038	&	088	X	138	⇒	228	↑
039	'	089	Y	139	ε	229	]
040	(	090	Z	140	δ	230	[
041	)	091	Ä	141	F	231	"
042	*	092	Ö	142	T	232	ä
043	+	093	Ü	143	↓	233	ö
044	,	094	^	144	Ç	234	ü
045	–	095	_	145	°	235	æ
046	.	096	'	146	¿	236	à
047	/	097	a	147	Ù	237	É
048	0	098	b	148	à	238	ñ
049	1	099	c	149	Æ	253	DC
050	2	100	d	150	Ø		

DC: DOUBLE CODE

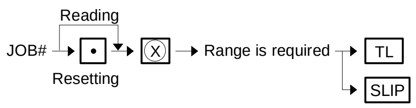
Fig. 7-2

CHAPTER 3. OP X/Z, X1/Z1,X2/Z2 MODE

The following categories of reports can be printed by the ECR.

1) OP X/Z reports (individual clerk reports)
2) X1/Z1 reports (Daily sales total X and Z reports)
3) X2/Z2 reports (Periodic total X and Z reports)

To print reports, use the following key entry sequence



X/Z MODE JOB# LIST

	MODE ∗ 1								
	OP X/Z		X1/Z1		X2/Z2		∗ 3 DATA FOR		
REPORT NAME	X	Z	X1	Z1	X2	Z2	JOB#	READING	NOTE
GENERAL			0	0	0	0	00	—	
DEPT/GROUP			0		0		10	—	
IND. GROUP			0		0		12	GROUP No	
GROUP TOTAL			0		0		13	—	
PLU BY RANGE			0	0	0	0	20	PLU CODE	∗ 2
PLU BY DEPT			0	0	0	0	21	DPT CODE	
PLU IND. GR.			0		0		22	GROUP No	
PLU GR. TL			0		0		23	—	
PLU STOCK			0				24	PLU CODE	∗ 2
PLU ZERO SALES			0		0		27	ALL	
PLU ZERO SALES BY DEPT			0		0		27	DPT CODE	
PLU MINIMUM STOCK			0				28	∗ 2	
TRANSACTION			0		0		30	—	
TL-ID			0				31	—	
COMMISSION SALES			0		0		32	—	
TAX			0		0		33	—	
CHIFF			0				34	—	
ALL CLERK			0	0	0	0	40	—	
IND. CLERK	0	0	0	0	0	0	41	—	
HOURLY (ALL) (RANGE)			0	0			60		
			0				60	∗ 2	
DAILY NET					0	0	70		
GLU			0	0			80	∗ 2	
GLU BY CLERK			0	0			81		
BALANCE			0		0		82		
STACKED REP			0	0	0	0	90-91		

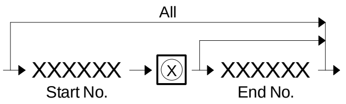
Stop of printing reports:
The printing of all reports can be stopped by the following operation.

Changing of Receipt switch during printing reports.
ON → OFF or OFF → ON

Note) When the printing is stopped, the consecutive number or Z counter don't return to the original value.
When Z reports, Memory is not reset.
In In-line system, when Master has consolidated the data from the satellite, ECR can stop the printing.

∗ 1 X1: Daily X report Z1: Daily Z report
X2: Periodic X report X2: Periodic Z report

∗ 2 The time interval range, PLU code, or customer code range can be specified by entering the start and end numbers according to the following procedure. When specifying a single time interval, PLU code, the start number has only to be entered.



∗ 3 When 2 is entered in the third digit of a job code, periodic reports are printed.
Example: Daily general report; job code 100
Periodic general report; job code 200

- An individual report is printed on the receipt and journal when the TL key is pressed.
- Pressing the decimal point key just after the enery of a job code clears the corresponding data in the ECR. (Z report)
(When printing those reports for which no Z reports can be taken, the decimal point key cannot be pressed after the entry of a job code.)
- When the decimal point key is not pressed after the entry of a job code, the corresponding data is held in the ECR. (X report)

CHAPTER 4. FILE DATA TRANSMISSION (ER-02FD = 02FD MODE)

When using the 02FD mode, set the DIP switch of the ER-02FD as follows.

DS-1								DS-2			
1	2	3	4	5	6	7	8	1	2	3	4
OFF	ON	ON	ON	ON	OFF	OFF	OFF	X	OFF	ON	OFF

Data rate

5	6	Rate [bps]
OFF	OFF	19200
ON	OFF	9600
OFF	ON	4800
ON	ON	2400

Disk format
CCP/M: OFF
PC-DOS: ON

1. Overview of the ER-02FD function

The ER-02FD function is intended for dumping (loading a floppy disk in the ER-02FD floppy disk drive with files stored in an ECR on a file-by-file basis) and loading (loading an ECR with files stored in a floppy disk in the ER-02FD on a file-by-file basis). The file name of each file in a floppy disk is composed of its file number and the machine number of the ECR.
Appending a machine number to each file name enables the same file in multiple ECRs to be loaded into a single disk. For example, when the file number of a department transaction file is "110" and it is loaded from an ECR whose machine number is 123456 into a floppy disk, the file name of that file is as follows.

File name: F 110 3456
- 3456: Machine number (Lower 4 digits)
- 110: File number
- F: The letter "F" must head any file name.

The file name of PRESET FILE does not append a machine number. Because the data of preset file must be able to loaded to ECR.
For example, when the file number of a department preset file is "10" and it is loaded from an ECR whose machine number is "10" and it is loaded from an ECR whose machine number is 123456 into a floppy disk, the file name of that file is as follows:

File name: F 010 XXXX
- XXXX: Dummy Machine number
- 010: File number
- F: The letter "F" must head any file name.

The ECR has the following functions for the ER-02FD floppy disk drive.

1. Formatting a floppy disk in the ER-02FD
2. Reference to the directory in a floppy disk placed in the ER-02FD
3. Deletion of files from a floppy disk in the ER-02FD
4. Sending file data to the ER-02FD
5. Receiving file data from the ER-02FD
6. Presetting of stack files
7. Sending stack file data to the ER-02FD
8. Receiving stack file data from the ER-02FD

Data communications between the ECR and the ER-02FD are always started by the ECR. This means that performing a specified key operation at the ECR activates its ER-02FD function.
The file type of each file name is fixed at "DAT" in the ER-02FD.
This means that those files that are preset in a floppy disk placed in the ER-02FD are all data files.

2. List of Job numbers

PGM2 Mode

Job#	Contents	Mode
893	Formatting a floppy disk	PGM2
894	Reference to the directory in a floppy disk	PGM2
895	Deletion of files from a floppy disk	PGM2
896	Sending file data to the ER-02FD	PGM2
898	Receiving file data to the ER-02FD	PGM2
887	Stack file presetting 1	PGM2
888	Stack file presetting 2	PGM2
889	Sending stack file data (preset1) to the ER-02FD	PGM2
890	Receiving stack file data (preset1) from the ER-02FD	PGM2
891	Sending stack file data (preset2) to the ER-02FD	PGM2
892	Receiving stack file data (preset2) from the ER-02FD	PGM2

Reading

PGM Mode

Job#	Contents	Mode
887	Reading of preset stack files	PGM2

3. Errors That May Occur in Data Communication between the ECR and the ER-02FD

If any error occurs due to imperfect floppy disk or other causes during data communication between the ER-02FD and the ECR, its journal printer prints the corresponding error status number.
The following errors may occur during data communication between the ER-02FD and the ECR.

Error Status No.	
1	Command error
2	No floppy disk is set.
3	No file is present.
4	Specified file is not present.
5	Those files whose file names are identical are present.
6	Specified file ID read only file.
7	Empty file has been read.
8	Insufficient disk capacity
9	The number of files exceeds the limit.
10	Floppy disk write protect error
12	Files are present in the floppy disk when it is formatted.
16	Send error (Check sum error, etc.)
17	Send error (Overrun error, etc.)
19	Floppy disk error (File writing cannot be made correctly.)

Error Status No.	
20	Floppy disk error (Formatting cannot be made correctly.)
23	Floppy disk error (File cannot be read correctly.)
24	the setting of the dip switch does not agree with disk format.
25	"No connection" error (the ER-02FD is not correctly connected.)
26	Receive error (Parity error)
27	Receive error (Check sum error)
28	Receive error (Buffer overflow error)
29	Hardware error
30	Power-off error (The ER-02FD is turned off.)
31	time-out error

SAMPLE PRINT FORMAT

A file deletion was attempted, but the floppy disk was protected against writing.

#0895 ∗Π Γ Μ≤ ∗

δελετε

φ1103456. δατ εppop10 — WRITE PROTECT ERROR

4. Detailed Description of the ER-02FD function

4-2) Formatting a floppy disk

This function causes the ECR to send a floppy disk format command to the ER-02FD.

Procedure for PGM job #893

893 → [•] → [Ⓧ] → [TL] — When no fike is present in the floppy disk.

893 → [•] → [Ⓧ] → [TL] → [TL] — To format the floppy disk when files are resent in it.

893 → [•] → [Ⓧ] → [TL] → [Ⓧ] — To cancel the formatting of the floppy disk when files are present in it.

The floppy disk in the ER-02FD connected to the ECR can be formatted by performing the above job.
If any file is present in the floppy disk, the ECR displays "FD FORMAT OK?" when the TL key is pressed after the ⊗ key in the above procedure.
To format the disk, it is necessary to press the TL key; and to cancel the formatting, it is necessary to press the ⊗ key.

PRINT FORMAT
When disk formatting has successfully terminated:

#0893 ∗Π Γ Μ≤ ∗ — JOB CODE/MODE TITLE

φδ φορματ οκ

When disk formatting has been canceled:

#0893 ∗Π Γ Μ≤ ∗

εppop12 — Files that are the same in file name are present.

φδ φορματ οκ

DISPLAY FORMAT
FORMAT/CANCEL?
`FD FORMAT   OK?`

During formatting
`FD FORMAT   001`
Counter

In floppy disk formatting the model name of the ECR is automatically appended as a volume label.

4-3) Reference to the directory in a floppy disk

This function causes the ECR to print the directory in a floppy disk placed in the ER-02FD.

Procedure for PGM job #894

894 → [Ⓧ] → [TL]

The directory in a floppy disk placed in the ER-02FD connected to the ECR can be printed on the receipt and journal by performing the above job.

PRINT FORMAT
When reference to the directory has successfully terminated:

#0894 ∗Π Γ Μ≤ ∗ — JOB CODE/MODE TITLE

δι ρεχτορψ

φ1101111. δατ
φ010ξξξξ. δατ
φ1202222. δατ ∗∗∗∗ — EMPTY FILE * (FILE No.)
φ1303333. δατ

* The empty file refers to a file that contains no data items.
Such a file is created when a write error occurs due to a certain cause during file creation by the ER-02FD, resulting in unusual file creation.

When reference to the directory has terminated with an error:

#0894 ∗Π Γ Μ≤ ∗

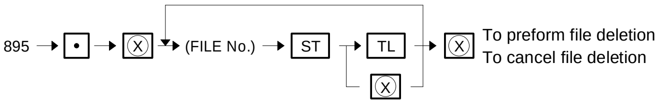
δι ρεχτορψ

φ1101111. δατ
φ010ξξξξ. δατ
εppop22 — ERROR22 (FD ERROR)

4-4) Deletion of files from a floppy disk

This function causes the ECR to send a file delete command to the ER-02FD.

Procedure for PGM job #895



Any specified file can be deleted from a floppy disk in the ER-02FD connected the ECR by performing the above job.
The ECR displays "(FILE NAME) DEL?" when the TL key is pressed after the entry of a file number in the above procedure.
To delete the file, it is necessary to press the TL key; and to cancel the file deletion, it is necessary to press ⊗ key.
Each file number is peculiar to respective ECR models.

PRINT FORMAT
When file deletion has successfully terminated:

#0895 ∗Π Γ Μ≤ ∗	JOB CODE/MODE TITLE
δελετε	
φ1100111. δατ οκ	

When file deletion has been canceled:

#0895 ∗Π Γ Μ≤ ∗
δελετε
φ1100111. δατ χανχελ

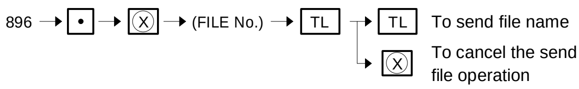
DISPLAY FORMAT

DELETE/CANCEL
F1100111 DEL?

During deletion
DELETE F1100111

4-5) Sending file data to the ER-02FD

This function causes the ECR to send files to the ER-02FD.
Procedure for PGM job #896



The ECR can send specified files to a floppy disk in the ER-02FD connected to it when the above job is performed.
If a specified file is not present in the floppy disk, the corresponding file is created, and if a specified file is present in the floppy disk, that file is deleted and new file data is written to the disk.
If any specified file is not present in the ECR, a "ENTRY ERROR" error occurs.
The ECR displays "(FILE NAME) SEND?" when the TL key is pressed after the entry of a file number in the above procedure. To send the file, it is necessary to press the TL key; and to cancel the send operation, it is necessary to press the ⊗ key.

PRINT FORMAT
When the send operation has successfully terminated:

#0896 ∗Π Γ Μ≤ ∗	JOB CODE/MODE TITLE
σενδ	
φ1100111. δατ οκ	

When the send operation has been canceled:

#0896 ∗Π Γ Μ≤ ∗
σενδ
φ1100111. δατ χανχελ

DISPLAY FORMAT

SEND/CANCEL
F1100111 SEND?

During sending
SEND F1100111

The ER-02FD function checks the capacity of a floppy disk placed in the ER-02FD before file data is sent to it.
If the disk capacity is found insufficient (or error 8 occurs) in this checking, file data of the size that can be stored in that disk is sent to the ER-02FD to create one file and the remaining data can be sent after that disk has been replaced with a new floppy disk. This function is called multi media function.

Example: Creation of a PLU transaction file (F1201111.DAT)

1. Creation of a PLU transaction file is attempted, but the disk capacity is found insufficient.

   PRINT FORMAT

#0896 ∗Π Γ Μ≤ ∗	JOB CODE/MODE TITLE
σενδ	
ερρορ 8	

   DISPLAY FORMAT
   F1100111 OK?
   SEND OR CANCEL?

   Either the ⊗ key (to cancel the send operation) or the TL key (to send file data) can be entered.

2. The TL key is entered to create a file of the size that is within the remaining capacity of the disk.

   DISPLAY FORMAT

   SEND F1201111

3. File creation terminates successfully and a request for floppy disk replacement is made.

PRINT FORMAT

```
#0896  *Π Γ Μ≤ *            JOB CODE/MODE TITLE

σενδ

                  ερρορ 8
φ1200111. δατ          οκ
```

DISPLAY FORMAT

`F1200111      OK?`

The TL key can be entered.

4. After the existing floppy disk, the CA key is entered.
   Then the remaining data is successfully stored in another file in the new disk.

PRINT FORMAT

```
#0896  *Π Γ Μ≤ *            JOB CODE/MODE TITLE

σενδ

                  ερρορ 8
φ1200111. δατ          οκ
φ1200111. δατ          οκ
```

DISPLAY FORMAT

`SEND      F1201111`

Note 1: The table file (file No. 700) cannot extend over multiple media (floppy disks).

Note 2: If the floppy disk contains any file that is the same in file name as the file to be created in a file creation step 2 or 4 above, "FILE NAME SEND?" appears on the ECR display.
To create the file, it is necessary to enter the TL key; and otherwise it is necessary to enter the ⊗ key.

Those file extending over multiple media (floppy disks) can be received by performing the ordinary receive operation (see 4-6)).

4-6) Receiving file data from the ER-02FD

This function causes the ECR to receive file data from the ER-02FD.

Procedure for PGM job #898

898 → [•] → [X] → (FILE No.) → [TL]

The ECR can receive specified files from a floppy disk in the ER-02FD connected to it when the above job is performed.
If any specified file is not present in the ECR, a "ENTRY ERROR" error occurs.

PRINT FORMAT

When the send operation has successfully terminated:

```
#0895  *Π Γ Μ≤ *            JOB CODE/MODE TITLE

ρεχειϖε

φ1100111. δατ          οκ
```

When the send operation has been canceled:

```
#0898  *Π Γ Μ≤ *

ρεχειϖε

φ1100111. δατ     ερρορ4    ERROR4
                            (Specified file is not present.)
```

DISPLAY FORMAT

During a Receive operation

`RECEIVE F1100111`

∗ If ECR memory space is full when ECR is receiving the data, a "MEMORY FULL" error occurs. (The data received before the "MEMORY FULL" error occurs is valid.)

PRINT FORMAT

When "MEMORY FULL" error occurs:

```
#0895  *Π Γ Μ≤ *            JOB CODE/MODE TITLE

ρεχειϖε

φ010ξξξξ. δατ          οκ

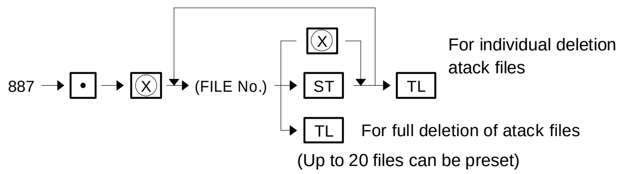
μεμορψ φυλλ
```

4-7) Presetting and reading of stack files

The presetting of stack files enables those files to be loaded and dumped with a single job.
This presetting is of addition type. The following two kinds of presetting are available.

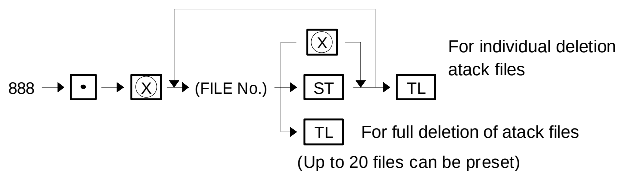
Stack file presetting 1

PGM2 MODE



Stack file presetting 2

PGM2 MODE



PRINT FORMAT

When "MEMORY FULL" error occurs:

```
#0887  *Π Γ Μ≤ *            JOB CODE/MODE TITLE

          φ1101111. δατ     Stack file preset
          φ1201111. δατ
          φ1301111. δατ
φ1401111. δατ     ———       Individual deletion of stack file
```

Reading of preset stack files

(PGM2 MODE)

887 → [X] → [TL]

PRINT FORMAT

```
#0887  *ΠΓ M≤ *                JOB CODE/MODE TITLE

*887
          φ1100111. δατ
          φ1200111. δατ
          φ1300111. δατ
*888
          φ2101111. δατ
          φ2201111. δατ
          φ2301111. δατ
```

4-8) Sending and receiving of stack files

Those files that have been preset by jobs #887 and #888 can be sent and received by using the following procedures:

Procedures for sending and receiving those files preset by presetting 1
(Job#887)

Procedure for Sending

PGM2 MODE

889 → [•] → [X] → [TL]

Procedure for Receiving

PGM2 MODE

890 → [•] → [X] → [TL]

Procedures for sending and receiving those files preset by presetting 2
(Job #888)

Procedure for Sending

890 → [•] → [X] → [TL]

Procedure for Receiving

892 → [•] → [X] → [TL]

PRINT FORMAT

SEND JOB

```
#0889  *ΠΓ M≤ *                JOB CODE/MODE TITLE

σενδ

φ1101111. δατ        οκ
φ1401111. δατ        οκ
φ1501111. δατ        οκ
φ1301111. δατ        οκ
φ1601111. δατ        οκ
```

RECEIVE JOB

```
#0890  *ΠΓ M≤ *                JOB CODE/MODE TITLE

ρεχειϖε

φ1101111. δατ        οκ
φ1401111. δατ        οκ
φ1501111. δατ        οκ
φ1301111. δατ        οκ
φ1601111. δατ        οκ
```

DISPLAY FORMAT

The file F1301111.DAT is now being sent.

SEND F1301111

The file F1401111.DAT is now being received.

RECEIVE F1401111

5. List of File Numbers and File Contents

(In the ER-A570, the shaded section ( ) is not used.)

File No.	Contents	REAL FILE No. (SRV#971)
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